

# KOBRA®

CATALOGUE 2019

## TS Line Shredders



[www.elcoman.it](http://www.elcoman.it)





The TS LINE of shredders from Kobra are equipped with a host of advanced design features, the type of innovative design that has made Kobra the icon for advanced technology in the multimedia destruction equipment industry.



Kobra 260 TS

Kobra 245 TS

Kobra 310 TS  
Kobra 310 TS HD

Kobra 270 TS

Kobra 410 TS

Kobra 310 TS-AF

Kobra 430 TS

# TS LINE TECHNOLOGY



To understand how advanced the technology in the KOBRA TS Line actually is, just take a look at the innovative systems they come equipped with:



**Energy Smart®** is the most advanced energy saving system around. When the machine has not been used for just 8 seconds, it goes into automatic power saving stand-by mode and can be restarted by simply inserting material into the machine to be shredded. When the machine has not been used for 4 hours, it automatically disconnects from power supply.

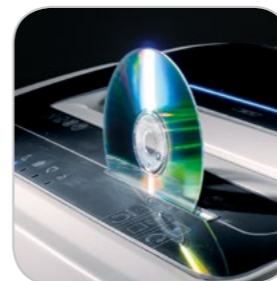


**Automatic Reverse System** comes on when too much material is inserted into the shredder and puts the machine into automatic reverse.



**Continuous duty shredding 24 hours a day** special motors can operate 24 hours a day non-stop without overheating, allowing for continuous shredding and maximum daily shredding load.

**Automatic disconnection from power supply**  
No longer any need to switch off the shredder before leaving the office.  
Maximum power saving.



**Two separate sets of cutting knives**

Two entry openings and two sets of cutting knives for the separate insertion and shredding of paper, CDs, DVDs and credit cards, separation of shredded material into two bins. (KOBRA 260, 270, 310, 410 TS series)

**Automatic Feeder to shred single sheets of paper**

Just insert the documents to shred into the automatic feeder and it will shred automatically each document and turn into its stand-by position when shredding is completed. (Available for KOBRA 310 TS series).





## Metal Chain driving system: power and reliability



The shredders in the KOBRA TS Line come with a sturdy **steel gears and metal chain drive system** which offers superior reliability and resistance to wear in comparison with cheaper plastic chain drive systems.

The development of **new blade edges for the carbon hardened cutting knives** in the KOBRA TS Line which are unaffected by staples and metal clips, makes it possible to achieve high shred loads with low power consumption.

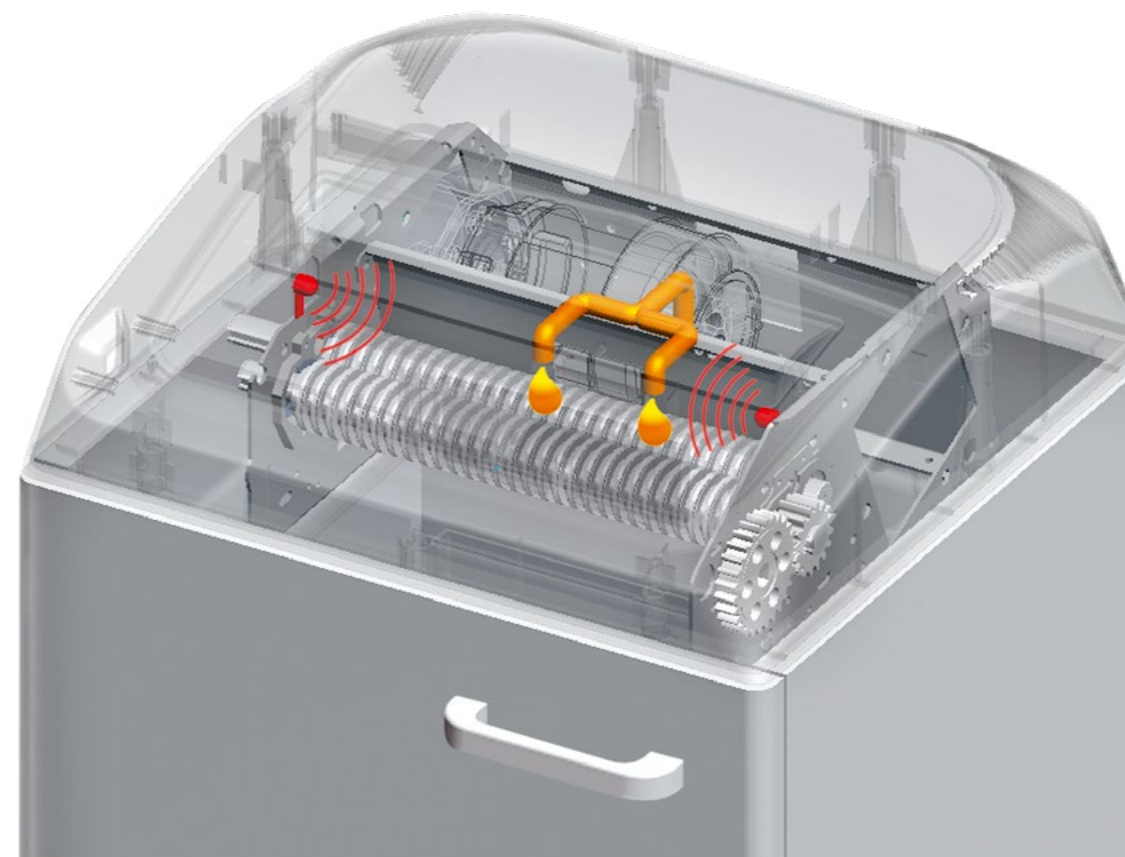
## TS LINE TECHNOLOGY



KOBRA TS cross-cut and HS shredders can be fitted with a built-in **automatic oiling system** which eliminates the need for manual oiling of cutting knives.



Shredders can also be fitted with the **Shred Guard - Metal Detection System** which warns when large metal objects, which could cause a damage to the cutting knives, are accidentally inserted into the entry opening and stops the machine before they reach the cutting knives. An illuminated optical indicator warns the operator to remove these objects in order to protect the knives.



The range of KOBRA TS shredders with **Touch Screen Technology** is the most technologically advanced on the market today. Functions are activated by simply touching the required command on the Touch Screen.

KOBRA TS shredders come with an **EPC - Electronic Power Control - system**. By means of a series of illuminated optical indicators, the operator can control the shredding load, avoid jams and optimize shredding.

**Illuminated optical indicators** on the Touch Screen panel show the current status of the machine or Energy Smart® lights up when the machine is into power saving stand-by mode. There is also a light to warn the operator when the cutting knives need to be oiled. In shredders with an automatic oiler, a light comes on when the oil container is empty.

**EPC  
Electronic Power Control**  
Shows the shredding load required to optimise shredding without jams (KOBRA 270, 310, 410TS series)



**Illuminated optical indicators:**  
clearly show the current status of the machine



**Touch Screen Technology**  
All controls are activated by simply touching the panel. Keep your finger on the "Forward" control for 5 seconds and the machine will operate for 30 seconds when transparent material needs to be shredded.



A **warning light** comes on when the cutting knives need oiling (KOBRA 270, 310, 410TS series)



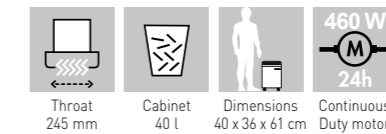
## KOBRA 245 TS

Professional **TOUCH SCREEN** Shredder available in six shredding security levels. Carbon hardened cutting knives, unaffected by staples and metal clips. High precision design of cutting knives allows high shred loads with low power consumption. Motor thermal protection. 24 hour continuous duty motor: no duty cycle or timed cool down period. Shreds up

to 29 sheets of paper at a time (A4 70gr). Bag full stop with light signal. KOBRA 245 TS shreds transparent material too: keep your finger for 5 seconds on the Forward control and the machine works continuously for 30 seconds.  
**Extraordinary speed for the KOBRA 245 TS S4-SF Super Fast: shreds an A4 sheet in just over 1 second.**



**SUPER POTENTIAL POWER UNIT** heavy duty chain drive with steel gears  
**CONTINUOUS DUTY SHREDDING** 24 hours a day without duty-cycle  
**ENERGY SMART®** power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation  
**TOUCH SCREEN** machine functions activated just by touching the control panel  
**START & STOP** automatic start and stop through electronic eyes  
**SAFETY STOP** automatic stop at the door opening  
**AUTOMATIC REVERSE** automatic reverse in case of jamming



**Automatic disconnection from the mains**  
No longer any need to switch off the shredder before leaving the office. Maximum power saving



**Touch Screen Panel**  
Just touch the controls to activate the machine functions. Keep your finger on the "Forward" control for 5 seconds and the machine functions continuously for 30 seconds when transparent material needs to be shredded



**Cutting knives**  
New design of carbon hardened cutting knives allows 35% more efficiency in shredding capacity with low power consumption



**Chain Drive System**  
Sturdy steel gears and metal chain drive system which offer reliability and resistance to wear

| Model                         | Article Code | Shred Size mm        | A4 Sheet Capacity*<br>70 gr<br>80 gr | Security Level<br>ISO/IEC 21964<br>(DIN 66399) | Shreddable Materials | Automatic Oiler<br>OPTIONAL | Shred Guard<br>OPTIONAL |
|-------------------------------|--------------|----------------------|--------------------------------------|--|----------------------|-----------------------------|-------------------------|
| Kobra 245 TS S4 SF Super Fast | 99.902       | straight cut<br>3,8  | 14 / 16<br>11 / 13                   | P-2 T-2 E-2                                    |                      |                             |                         |
| Kobra 245 TS S4               | 99.891       | straight cut<br>3,8  | 25 / 27<br>20 / 22                   | P-2 O-2 T-2 E-2                                |                      |                             | •                       |
| Kobra 245 TS S5               | 99.892       | straight cut<br>5,8  | 27 / 29<br>22 / 24                   | P-2 O-2 T-2 E-2                                |                      |                             | •                       |
| Kobra 245 TS C2               | 99.893       | cross cut<br>1,9x15  | 11 / 13<br>9 / 11                    | P-5 T-5 E-4 F-2                                |                      | •                           | •                       |
| Kobra 245 TS C4               | 99.894       | cross cut<br>3,9x40  | 21 / 23<br>16 / 18                   | P-4 O-3 T-4 E-3 F-1                            |                      | •                           | •                       |
| Kobra 245 TS HS               | 99.895       | cross cut<br>0,8x9,5 | 6 / 8<br>5 / 6                       | P-6 T-6 F-3                                    |                      | •                           | •                       |
| Kobra 245 TS HS-6             | 99.896       | cross cut<br>0,8x5   | 4 / 5<br>3 / 4                       | P-7 F-3  |                      | •                           | •                       |

\* Capacity may vary on power supply, paper quality and lubrication of cutting knives

| OPTIONS                              | CODE           | DESCRIPTION   | AVAILABLE               |
|--------------------------------------|----------------|---|-------------------------|
| Automatic Oiler                      | Art. Code + AO | Automatically lubricates cutting knives                   | All cross cut models    |
| Shred Guard - Metal Detection System | Art. Code + MD | Detects metal presence to prevent damages to cutting unit | All models excluding SF |

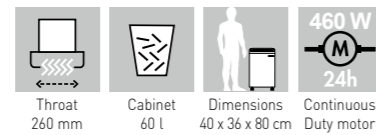
## KOBRA 260 TS



Professional TOUCH SCREEN Shredder available in six shredding security levels. Carbon hardened cutting knives, unaffected by staples and metal clips. High precision design of cutting knives allows high shred loads with low power consumption. Motor thermal protection. 24 hour continuous duty motor: no duty cycle or timed cool down period. Shreds up to 30 sheets of paper at a time (A4 70gr). Bag full stop with

light signal. Two separate sets of cutting knives: one for paper and one for CDs, DVDs and credit cards. Two distinct integrated removable bins for separating shredded paper from plastic shreds. KOBRA 260 TS shreds transparent material too: keep your finger for 5 seconds on the Forward control and the machine works continuously for 30 seconds.

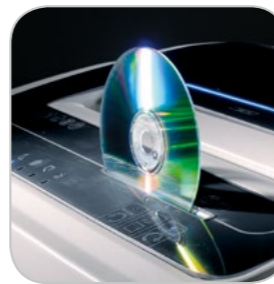
**SUPER POTENTIAL POWER UNIT** heavy duty chain drive with steel gears  
**CONTINUOUS DUTY SHREDDING** 24 hours a day without duty-cycle  
**ENERGY SMART®** power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation  
**TOUCH SCREEN** machine functions activated just by touching the control panel  
**START & STOP** automatic start and stop through electronic eyes  
**SAFETY STOP** automatic stop at the door opening  
**AUTOMATIC REVERSE** automatic reverse in case of jamming



**AUTOMATIC OILER - AO**  
Integrated Automatic Oiler (option on cross-cut models)



**ENERGY SMART®**  
Power saving system: the machine goes into automatic power saving stand-by after it has not been used for just 8 seconds and after 4 hours of not being used is switched off at the mains



**Two separate sets of cutting knives**  
Two entry openings and two sets of cutting knives for the separate insertion and shredding of paper, CDs, DVDs, and credit cards and separation of shredded material into two bins

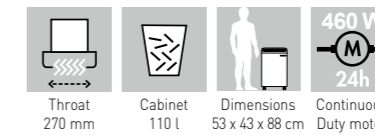


## KOBRA 270 TS

Professional TOUCH SCREEN Shredder available in six shredding security levels. Carbon hardened cutting knives, unaffected by staples and metal clips. High precision design of cutting knives allows high shred loads with low power consumption. Motor thermal protection. 24 hour continuous duty motor: no duty cycle or timed cool down period. Shreds up to 32 sheets of paper at a time (A4

70gr). Bag full stop with light signal. Two separate sets of cutting knives: one for paper and one for CDs, DVDs and credit cards. Two distinct integrated removable bins for separating shredded paper from plastic shreds. KOBRA 270 TS shreds transparent material too: keep your finger for 5 seconds on the Forward control and the machine works continuously for 30 seconds.

**SUPER POTENTIAL POWER UNIT** heavy duty chain drive with steel gears  
**CONTINUOUS DUTY SHREDDING** 24 hours a day without duty-cycle  
**ENERGY SMART®** power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation  
**TOUCH SCREEN** machine functions activated just by touching the control panel  
**EPC - Electronic Power Control** shows the shredding load required to optimise shredding without jams  
**START & STOP** automatic start and stop through electronic eyes  
**SAFETY STOP** automatic stop at the door opening  
**AUTOMATIC REVERSE** automatic reverse in case of jamming



**ENERGY SMART®**  
Power saving system: the machine goes into automatic power saving stand-by after it has not been used for just 8 seconds and after 4 hours of not being used is switched off at the mains



**Touch Screen Panel**  
Just touch the controls to activate the machine functions. Keep your finger on the "Forward" control for 5 seconds and the machine functions continuously for 30 seconds when transparent material needs to be shredded



**Two separate sets of cutting knives**  
Two entry openings and two sets of cutting knives for the separate insertion and shredding of paper, CDs, DVDs, and credit cards and separation of shredded material into two bins

| Model             | Article Code | Shred Size mm     | A4 Sheet Capacity* 70 gr 80 gr | Security Level ISO/IEC 21964 (DIN 66399) | Shreddable Materials |
|-------------------|--------------|-------------------|--------------------------------|--|----------------------|
| Kobra 260 TS S4   | 99.800       | straight cut 3,8  | 26 / 28<br>21 / 23             | P-2 O-2 T-2 E-2                          |                      |
| Kobra 260 TS S5   | 99.805       | straight cut 5,8  | 28 / 30<br>23 / 25             | P-2 O-2 T-2 E-2                          |                      |
| Kobra 260 TS C2   | 99.810       | cross cut 1,9x15  | 12 / 14<br>10 / 12             | P-5 T-5 E-4 F-2                          |                      |
| Kobra 260 TS C4   | 99.815       | cross cut 3,9x40  | 22 / 24<br>17 / 19             | P-4 O-3 T-4 E-3 F-1                      |                      |
| Kobra 260 TS HS   | 99.820       | cross cut 0,8x9,5 | 6 / 8<br>5 / 6                 | P-6 T-6 F-3                              |                      |
| Kobra 260 TS HS-6 | 99.825       | cross cut 0,8x5   | 4 / 5<br>3 / 4                 | P-7 F-3                                  |                      |

| CDs/DVDs Cutting Unit STANDARD | CDs/DVDs Cutting Unit OPTIONAL | Automatic Oiler OPTIONAL | Shred Guard Metal Det. OPTIONAL |
|--------------------------------|--------------------------------|--------------------------|---------------------------------|
| X                              |                                |                          | •                               |
| X                              |                                |                          | •                               |
| X                              |                                | •                        | •                               |
| X                              |                                | •                        | •                               |
|                                | •                              | •                        | •                               |
|                                | •                              | •                        | •                               |

\* Capacity may vary on power supply, paper quality and lubrication of cutting knives

| OPTIONS  | CODE           | DESCRIPTION   | AVAILABLE  |
|--|----------------|---|--|
| Automatic Oiler                                    | Art. Code + AO | Automatically lubricates cutting knives                   | All cross cut models   |
| Shred Guard - Metal Detection System               | Art. Code + MD | Detects metal presence to prevent damages to cutting unit | All models   |
| * CDs/DVDs Cutting unit Security Level O-1 T-2 E-2 | Art. Code + CD | Separate cutting unit for CDs, DVDs and Credit Cards      | Option on HS and HS-6 models. Standard on S4, S5, C2, C4 models. |

| Model             | Article Code | Shred Size mm     | A4 Sheet Capacity* 70 gr 80 gr | Security Level ISO/IEC 21964 (DIN 66399) | Shreddable Materials |
|-------------------|--------------|-------------------|--------------------------------|--|----------------------|
| Kobra 270 TS S4   | 99.830       | straight cut 3,8  | 27 / 29<br>22 / 24             | P-2 O-2 T-2 E-2                          |                      |
| Kobra 270 TS S5   | 99.835       | straight cut 5,8  | 30 / 32<br>24 / 26             | P-2 O-2 T-2 E-2                          |                      |
| Kobra 270 TS C2   | 99.840       | cross cut 1,9x15  | 12 / 14<br>10 / 12             | P-5 T-5 E-4 F-2                          |                      |
| Kobra 270 TS C4   | 99.845       | cross cut 3,9x40  | 23 / 25<br>18 / 20             | P-4 O-3 T-4 E-3 F-1                      |                      |
| Kobra 270 TS HS   | 99.850       | cross cut 0,8x9,5 | 8 / 10<br>7 / 8                | P-6 T-6 F-3                              |                      |
| Kobra 270 TS HS-6 | 99.855       | cross cut 0,8x5   | 4 / 5<br>3 / 4                 | P-7 F-3                                  |                      |

| CDs/DVDs Cutting Unit STANDARD | CDs/DVDs Cutting Unit OPTIONAL | Automatic Oiler OPTIONAL | Shred Guard Metal Det. OPTIONAL |
|--------------------------------|--------------------------------|--------------------------|---------------------------------|
| X                              |                                |                          | •                               |
| X                              |                                |                          | •                               |
| X                              |                                | •                        | •                               |
| X                              |                                | •                        | •                               |
|                                | •                              | •                        | •                               |
|                                | •                              | •                        | •                               |

| OPTIONS  | CODE           | DESCRIPTION   | AVAILABLE  |
|--|----------------|---|--|
| Automatic Oiler                                    | Art. Code + AO | Automatically lubricates cutting knives                   | All cross cut models   |
| Shred Guard - Metal Detection System               | Art. Code + MD | Detects metal presence to prevent damages to cutting unit | All models   |
| * CDs/DVDs Cutting unit Security Level O-1 T-2 E-2 | Art. Code + CD | Separate cutting unit for CDs, DVDs and Credit Cards      | Option on HS and HS-6 models. Standard on S4, S5, C2, C4 models. |



Kobra 310 TS

Kobra 310 TS-AF

### KOBRA 310 TS

Professional TOUCH SCREEN Shredder available in six shredding security levels. Carbon hardened cutting knives, unaffected by staples and metal clips. High precision design of cutting knives allows high shred loads with low power consumption. Motor thermal protection. 24 hour continuous duty motors: no duty cycle or timed cool down period. Shreds up to 47 sheets of paper at a time (A4 70gr). Bag full stop with light signal. Two separate sets of cutting knives: one for paper and one for CDs, DVDs and credit cards. Two distinct integrated removable bins for separating shredded paper from plastic shreds. KOBRA 310 TS shreds transparent material too: keep your finger for 5 seconds on the Forward control and the machine works continuously for 30 seconds.



Automatic Feeder - AF

shreds up to 170 sheets, whilst the operator can shred paper in the main throat and CDs/DVDs/Credit Cards through the dedicated CD Cutting Unit at the same time. Specially equipped with the patented Anti-Jamming system in case the operator feeds the machine with crumpled or stapled paper

**SUPER POTENTIAL POWER UNIT**

heavy duty chain drive with steel gears  
CONTINUOUS DUTY SHREDDING

24 hours a day without duty-cycle  
INCREASED POWER double motor drive technology  
ENERGY SMART® power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation

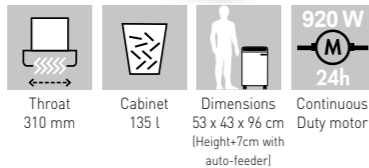
TOUCH SCREEN machine functions activated just by touching the control panel

EPC - Electronic Power Control shows the shredding load required to optimise shredding without jams

START & STOP automatic start and stop through electronic eyes

SAFETY STOP automatic stop at the door opening

AUTOMATIC REVERSE automatic reverse in case of jamming

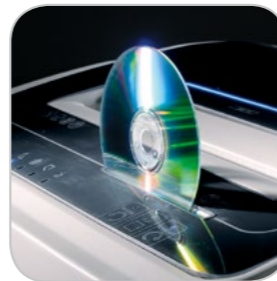


Throat 310 mm  
Cabinet 135 l  
Dimensions 53 x 43 x 96 cm (Height+7cm with auto-feeder)  
Continuous Duty motor 920 W 24h



Easy to remove bag

Slide out tracks make it easy to empty the two waste collection bags



Two separate sets of cutting knives

Two entry openings and two sets of cutting knives for the separate insertion and shredding of paper, CDs, DVDs, and credit cards and separation of shredded material into two bins

| Model             | Article Code | Shred Size mm     | A4 Sheet Capacity* 70 gr 80 gr | Security Level ISO/IEC 21964 (DIN 66399) | Shreddable Materials |
|-------------------|--------------|-------------------|--------------------------------|--|----------------------|
| Kobra 310 TS SS4  | 99.860       | straight cut 3,8  | 37 / 39<br>31 / 33             | P-2 O-2 T-2 E-2                          |                      |
| Kobra 310 TS SS5  | 99.865       | straight cut 5,8  | 45 / 47<br>37 / 39             | P-2 O-2 T-2 E-2                          |                      |
| Kobra 310 TS CC2  | 99.870       | cross cut 1,9x15  | 17 / 19<br>14 / 16             | P-5 T-5 E-4 F-2                          |                      |
| Kobra 310 TS CC4  | 99.875       | cross cut 3,9x40  | 29 / 31<br>25 / 27             | P-4 O-3 T-4 E-3 F-1                      |                      |
| Kobra 310 TS HS   | 99.880       | cross cut 0,8x9,5 | 11 / 13<br>10 / 11             | P-6 T-6 F-3                              |                      |
| Kobra 310 TS HS-6 | 99.885       | cross cut 0,8x5   | 5 / 6<br>4 / 5                 | P-7 F-3                                  |                      |

\* Capacity may vary on power supply, paper quality and lubrication of cutting knives

| OPTIONS  | CODE           | DESCRIPTION  | AVAILABLE  |
|--|----------------|--|--|
| Automatic Oiler                                    | Art. Code + AO | Automatically lubricates cutting knives              | Option on CC2 and CC4 models (standard on HS and HS-6 models)        |
| Automatic Feeder                                   | Art. Code + AF | Automatically shreds up to 170 sheets (A4 70 gr)     | All cross-cut models and high security HS and HS-6 models            |
| Lockable Cover with Security Key for AF            | Art. Code + LK | Protects documents from unauthorized persons         | All models with Automatic Feeder                                     |
| Shred Guard - Metal Detection System               | Art. Code + MD | Detects metal presence to prevent damages            | All models without Automatic Feeder                                  |
| * CD / DVD Cutting Unit Security level O-1 T-2 E-2 | Art. Code + CD | Separate cutting unit for CDs, DVDs and Credit Cards | Option on HS and HS-6 models (standard on SS4, SS5, CC2, CC4 models) |

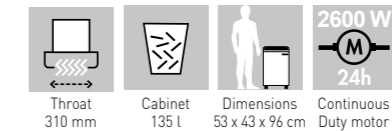
### KOBRA 310 TS HD Heavy Duty



Professional TOUCH SCREEN Heavy Duty Shredder available in four different security levels. Carbon hardened cutting knives, unaffected by staples and metal clips. High precision design of cutting knives allows high shred loads with low power consumption. Motor thermal protection. 24 hour continuous duty motor: no duty cycle or

timed cool down period. Shreds up to 56 sheets of paper at a time (A4 70gr), CDs, DVDs, Credit Cards and USB pen sticks. Bag full stop with light signal. KOBRA 310 TS HD shreds transparent material too: keep your finger for 5 seconds on the Forward control and the machine works continuously for 30 seconds.

SUPER POTENTIAL POWER UNIT heavy duty chain drive with steel gears  
CONTINUOUS DUTY SHREDDING 24 hours a day without duty-cycle  
ENERGY SMART® power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation  
TOUCH SCREEN machine functions activated just by touching the control panel  
EPC - Electronic Power Control shows the shredding load required to optimise shredding without jams  
START & STOP automatic start and stop through electronic eyes  
SAFETY STOP automatic stop at the door opening  
AUTOMATIC OILER automatically lubricates cutting knives  
AUTOMATIC REVERSE automatic reverse in case of jamming



Throat 310 mm  
Cabinet 135 l  
Dimensions 53 x 43 x 96 cm  
Continuous Duty motor 2600 W 24h



HEAVY DUTY

Shreds up to 56 sheets of paper at a time in cross cut



ENERGY SMART®

Power saving system: the machine goes into automatic power saving stand-by after it has not been used for just 8 seconds and after 4 hours of not being used is switched off at the mains



AUTOMATIC OILER - AO

135 Liter quality cabinet equipped with a dedicated oil container holder (standard for all 310 TS HD models)

| Model                | Article Code | Shred Size mm     | A4 Sheet Capacity* 70 gr 80 gr | Security Level ISO/IEC 21964 (DIN 66399) | Shreddable Materials |
|----------------------|--------------|-------------------|--------------------------------|--|----------------------|
| Kobra 310 TS HD C2   | 99.904       | cross cut 1,9x15  | 30 / 32<br>27 / 29             | P-5 O-4 T-5 E-4 F-2                      |                      |
| Kobra 310 TS HD C4   | 99.905       | cross cut 3,9x40  | 54 / 56<br>48 / 50             | P-4 O-3 T-4 E-3 F-1                      |                      |
| Kobra 310 TS HD HS   | 99.906       | cross cut 0,8x9,5 | 20 / 22<br>18 / 20             | P-6 O-5 T-6 E-5 F-3                      |                      |
| Kobra 310 TS HD HS-6 | 99.907       | cross cut 1x5     | 12<br>10                       | P-7 F-3                                  |                      |

\* Capacity may vary on power supply, paper quality and lubrication of cutting knives

| Automatic Oiler STANDARD | Shred Guard Metal Det. OPTIONAL |
|--------------------------|---------------------------------|
| X                        | ●                               |
| X                        | ●                               |
| X                        | ●                               |
| X                        | ●                               |

| OPTIONS                              | CODE           | DESCRIPTION   | AVAILABLE  |
|--------------------------------------|----------------|---|------------|
| Shred Guard - Metal Detection System | Art. Code + MD | Detects metal presence to prevent damages to cutting unit | All models |

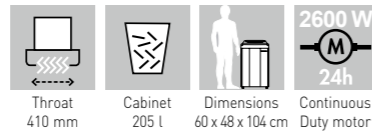


## KOBRA 410 TS

**Professional TOUCH SCREEN Heavy Duty Shredder** available in five shredding security levels. Carbon hardened cutting knives, unaffected by staples and metal clips. High precision design of cutting knives allows high shred loads with low power consumption. Motor thermal protection. 24 hour continuous duty motor: no duty cycle or timed cool down period. Shreds up to 72 sheets of paper at a time (A4 70gr). Bag full stop with light signal. As optional it is available a second

set of cutting knives dedicated to CDs, DVDs, credit cards and Floppy disks shredding. The CD/DVD cutting unit of models 410 TS HS and HS-6 shreds CDs and DVDs in high security level O-6 (ISO/IEC 21964). Two distinct integrated removable bins for separating shredded paper from plastic shreds. KOBRA 410 TS shreds transparent material too: keep your finger for 5 seconds on the Forward control and the machine works continuously for 30 seconds.

- SUPER POTENTIAL POWER UNIT** heavy duty chain drive with steel gears
- CONTINUOUS DUTY SHREDDING** 24 hours a day without duty-cycle
- ENERGY SMART®** power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation
- TOUCH SCREEN** machine functions activated just by touching the control panel
- EPC - Electronic Power Control** shows the shredding load required to optimise shredding without jams
- START & STOP** automatic start and stop through electronic eyes
- SAFETY STOP** automatic stop at the door opening
- AUTOMATIC OILER** automatically lubricates cutting knives
- AUTOMATIC REVERSE** automatic reverse in case of jamming



Throat 410 mm  
Cabinet 205 l  
Dimensions 60 x 48 x 104 cm  
Continuous Duty motor 2600 W 24h



**Touch Screen Panel**

Just touch the controls to activate the machine functions. Keep your finger on the "Forward" control for 5 seconds and the machine functions continuously for 30 seconds when transparent material needs to be shredded



**Automatic Oiler - AO**

Sturdy and large volume 205 Liter steel cabinet equipped with a dedicated oil container holder



**Option of two separate cutting knives**

Two entry openings and two sets of cutting knives are optional on every model for the separate insertion and shredding of paper, CDs, DVDs, credit cards and Floppy disks and separation of shredded material [Cross Cut for models S5, C2 and C4, High Security cut of 1,5 x 2 mm for models HS and HS-6]



**Automatic disconnection from the mains**

No longer any need to switch off the shredder before leaving the office. Maximum power saving

| Model                    | Article Code | Shred Size mm     | A4 Sheet Capacity 70 gr 80 gr | Security Level ISO/IEC 21964 (DIN 66399) | Shreddable Materials |
|--------------------------|--------------|-------------------|-------------------------------|--|----------------------|
| <b>Kobra 410 TS S5</b>   | 99.887       | straight cut 5,8  | 68 / 72<br>60 / 64            | P-2 O-2 T-2 E-2                          |                      |
| <b>Kobra 410 TS C2</b>   | 99.888       | cross cut 1,9x15  | 30 / 32<br>27 / 29            | P-5 O-4 T-5 E-4 F-2                      |                      |
| <b>Kobra 410 TS C4</b>   | 99.886       | cross cut 3,9x40  | 54 / 56<br>48 / 50            | P-4 O-3 T-4 E-3 F-1                      |                      |
| <b>Kobra 410 TS HS</b>   | 99.889       | cross cut 0,8x9,5 | 20 / 22<br>18 / 20            | P-6 T-6 F-3                              |                      |
| <b>Kobra 410 TS HS-6</b> | 99.890       | cross cut 1x5     | 12<br>10                      | P-7 F-3                                  |                      |

| Automatic Oiler STANDARD | Shred Guard Metal Det. OPTIONAL | CDs/DVDs Cutting Unit OPTIONAL | CDs/DVDs High Security Cutting Unit OPTIONAL |
|--------------------------|---------------------------------|--------------------------------|--|
| X                        | ●                               | ●                              |  |
| X                        | ●                               | ●                              |  |
| X                        | ●                               | ●                              |  |
| X                        | ●                               |                                | ●  |
| X                        | ●                               |                                | ●  |

\* Capacity may vary on power supply, paper quality and lubrication of cutting knives

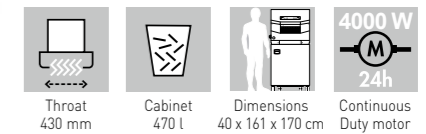
| OPTIONS   | CODE           | DESCRIPTION  | AVAILABLE                    |
|---|----------------|--|------------------------------|
| Shred Guard - Metal Detection System  | Art. Code + MD | Detects metal presence to prevent damages                          | All models                   |
| CDs/DVDs Cutting Unit (3,2 x 50 mm) Security level O-3 T-4 E-3                | Art. Code + CD | Separate cutting unit for CDs, DVDs, Credit cards and Floppy disks | Option on S5, C2, C4 models  |
| * CDs/DVDs High Security Cutting Unit (1,5 x 2 mm) Security level O-6 T-6 E-5 | Art. Code + CD | Separate cutting unit for CDs, DVDs, Credit cards and Floppy disks | Option on HS and HS-6 models |



## KOBRA 430 TS

**Conveyor Belt Industrial Shredder with TOUCH SCREEN control panel** available in shredding security level P-3 (ISO/IEC 21964). Suitable for archives shredding or as a centralized shredder. High precision design of cutting knives, unaffected by staples and metal clips, allows high shred loads with low power consumption. Equipped with motor thermal protection, KOBRA 430 TS has been designed for a large throughput and long operating time. Shreds up to 125 sheets of paper (A4 70gr); CDs, DVDs, Credit Cards and Floppy Disks. Bag full stop with light signal. Electric conveyor belt to easily fed the cutting knives with material to be shredded for high shredding throughput. KOBRA 430TS is equipped with a sturdy removable caster mounted waste container. Reusable and easy to empty waste bag.

- SUPER POTENTIAL POWER UNIT** heavy duty chain drive with steel gears
- CONTINUOUS DUTY SHREDDING** 24 hours a day without duty-cycle
- ENERGY SMART®** power saving system: sleep mode after 8 seconds, automatic switch-off after 4 hours of non-operation
- TOUCH SCREEN** machine functions activated just by touching the control panel
- START & STOP** automatic start and stop through electronic eyes
- SAFETY STOP** automatic stop at the door opening
- AUTOMATIC OILER** automatically lubricates cutting knives
- AUTOMATIC REVERSE** automatic reverse in case of jamming



Throat 430 mm  
Cabinet 470 l  
Dimensions 40 x 161 x 170 cm  
Continuous Duty motor 4000 W 24h



**Conveyor Belt**  
Convenient conveyor belt for easy feeding of material to shred



**Touch Screen Panel**



**Waste bags**  
Removable steel trolley with a special interchangeable bin for 1 x 470 lt or 2 x 235 lt waste bag



**Automatic Oiler - AO**  
Sturdy and large volume 470 Liter steel cabinet equipped with a dedicated oil container holder

| Model               | Article Code | Shred Size mm    | A4 Sheet Capacity* 70 gr 80 gr | Security Level ISO/IEC 21964 (DIN 66399) | Shreddable Materials | Automatic Oiler STANDARD |
|---------------------|--------------|------------------|--------------------------------|--|----------------------|--------------------------|
| <b>Kobra 430 TS</b> | 99.901       | cross cut 5,8x50 | 125 / 130<br>100 / 105         | P-3 O-2 T-3 E-2                          |                      | X                        |

\* Capacity may vary on power supply, paper quality and lubrication of cutting knives





# TS LINE at a glance

## TECHNICAL DATA 2019



# TS LINE

## Technology and Innovation

The highest shredding and security performances with the widest choice ever of shredding solutions



**CHAIN DRIVE**  
**SUPER POTENTIAL POWER SYSTEM**  
Maximum strength and wear resistance guaranteed by steel gears and chain drive system.



**24 HOUR CONTINUOUS DUTY**  
24 hour continuous duty motor, without overheating.



**ENERGY SMART**<sup>®</sup>  
Stand-by power saving mode after 8 seconds of no use. Automatic disconnection from power supply after 4 hours of non operation.



**TOUCH SCREEN PANEL**  
All controls are activated by simply touching the panel. Shreds transparent material by keeping the finger on the Forward control for 5 seconds.



**EPC - Electronic Power Control**  
Shows the shredding load required to optimise shredding without jams (Kobra 270, 310, 410TS series)



**AUTOMATIC FEEDER**  
Just insert the documents to shred into the automatic feeder and it will shred automatically each document and turn into its stand-by position when shredding is completed (Kobra 310 TS series).



**AUTOMATIC REVERSE SYSTEM**  
Comes on when too much material is inserted into the shredder and puts the machine into automatic reverse mode.



**TWO SEPARATE SETS OF CUTTING KNIVES**  
Two separate sets of cutting knives for the separate insertion and shredding of paper and plastic. Available for CD shredding 3,2x50mm or for High Security CD shredding HS 1,5x2,5 mm (see model specifications).



**AUTOMATIC OILER**  
Kobra TS cross-cut and High Security shredders can be equipped with an integrated automatic oiler, which activates a light signal when the oil bottle is low. This system eliminates the need of manual oiling of cutting knives.



**METAL DETECTION SYSTEM**  
Stops the machine when large metal objects, which could cause a damage to the cutting knives, are accidentally inserted.

## ISO/IEC 21964 (DIN 66399) Security Levels & Data Carrier Classification



|          |  |   |  |  |
|----------|--|---|--|--|
| <b>P</b> | Data in Original Size on: Paper, Printout, films, printing plates etc.   |   |  |  |
|          | P-1 Stripe width max 12mm<br>P-2 Stripe width max 6mm  | P-3 Cross Cut < 320mm <sup>2</sup><br>P-4 Cross Cut < 160mm <sup>2</sup><br>P-5 Cross Cut < 30mm <sup>2</sup> | P-6 Cross Cut < 10mm <sup>2</sup><br>P-7 Cross Cut < 5mm <sup>2</sup>    |  |
| <b>O</b> | Data on Optical Carriers: CDs, DVDs etc.   |   |  |  |
|          | O-1 Cross Cut < 2000mm <sup>2</sup><br>O-2 Cross Cut < 800mm <sup>2</sup>  | O-3 Cross Cut < 160mm <sup>2</sup><br>O-4 Cross Cut < 30mm <sup>2</sup><br>O-5 Cross Cut < 10mm <sup>2</sup>  | O-6 Cross Cut < 5mm <sup>2</sup><br>O-7 Cross Cut < 0,2mm <sup>2</sup>   |  |
| <b>T</b> | Data on Magnetic Carriers: Credit Cards, Floppy Disks, ID Cards, Magnetic Tape Cassettes, etc.                           |   |  |  |
|          | T-1 mechanically inoperable<br>T-2 Cross Cut < 2000mm <sup>2</sup>   | T-3 Cross Cut < 320mm <sup>2</sup><br>T-4 Cross Cut < 160mm <sup>2</sup><br>T-5 Cross Cut < 30mm <sup>2</sup> | T-6 Cross Cut < 10mm <sup>2</sup><br>T-7 Cross Cut < 2,5mm <sup>2</sup>  |  |
| <b>E</b> | Data on electronic data carriers: Memory Sticks, Chip cards, Semiconductor Hard Drives, mobile communication media, etc. |   |  |  |
|          | E-1 mechanically/electronically inoperable<br>E-2 Split  | E-3 Cross Cut < 160mm <sup>2</sup><br>E-4 Cross Cut < 30mm <sup>2</sup><br>E-5 Cross Cut < 10mm <sup>2</sup>  | E-6 Cross Cut < 1mm <sup>2</sup><br>E-7 Cross Cut < 0,5mm <sup>2</sup>   |  |
| <b>F</b> | Reduced size data on: micro-films and foils  |   |  |  |
|          | F-1 Cross Cut < 160mm <sup>2</sup><br>F-2 Cross Cut < 30mm <sup>2</sup>  | F-3 Cross Cut < 10mm <sup>2</sup><br>F-4 Cross Cut < 2,5mm <sup>2</sup><br>F-5 Cross Cut < 1mm <sup>2</sup>   | F-6 Cross Cut < 0,5mm <sup>2</sup><br>F-7 Cross Cut < 0,2mm <sup>2</sup> |  |
| <b>H</b> | Data on Hard Disks (with magnetic data carriers)   |   |  |  |
|          | H-1 mechanically/electronically inoperable<br>H-2 damaged  | H-3 deformed<br>H-4 Cross Cut < 2000mm <sup>2</sup><br>H-5 Cross Cut < 320mm <sup>2</sup>                     | H-6 Cross Cut < 10mm <sup>2</sup><br>H-7 Cross Cut < 5mm <sup>2</sup>    |  |



ENERGY SMART® Management System  
for power saving stand-by mode

### DESKSIDE SHREDDERS SECURITY LEVELS P-2/P-4/P-5



| TS LINE                                  | Kobra 245 TS |       |       |        |        |
|--|--------------|-------|-------|--------|--------|
| MODEL                                    | S4-SF        | S4    | S5    | C2     | C4     |
| Throat width (mm)                        | 245          |       |       |        |        |
| Shred size (mm)                          | 3,8          | 3,8   | 5,8   | 1,9x15 | 3,9x40 |
| Sheet capacity* (A4/70g)                 | 14/16        | 25/27 | 27/29 | 11/13  | 21/23  |
| Sheet capacity* (A4/80g)                 | 11/13        | 20/22 | 22/24 | 9/11   | 16/18  |
| Security Level ISO/IEC 21964 (DIN 66399) | P-2          |       |       | P-5    | P-4    |

#### Shreddable Material

|                   |     |     |     |     |     |
|-------------------|-----|-----|-----|-----|-----|
| Credit card       | T-2 | T-2 | T-2 | T-5 | T-4 |
| Smart card        | E-2 | E-2 | E-2 | E-4 | E-3 |
| CD/DVD/BluRayDisc |     | O-2 | O-2 |     | O-3 |
| Floppy disk       |     | T-2 | T-2 |     |     |
| Microfilm/Foil    |     |     |     | F-2 | F-1 |
| Memory stick      |     |     |     |     |     |

#### Main Features

|   |      |      |    |  |  |
|---|------|------|----|--|--|
| Waste bin or bag volume (L) / Waste bag |      | 40   |    |  |  |
| Speed** (m/s)                           | 0,15 | 0,07 |    |  |  |
| Noise level (dba)                       | 59   | 55   |    |  |  |
| Voltage (V50/60Hz)                      | 230  |      |    |  |  |
| Power (Watt)                            | 460  |      |    |  |  |
| Weight standard/with auto-feeder (Kg)   | 23   | 24   | 27 |  |  |

#### Technological Equipments

|  |  |
|--|--|
| ENERGY SMART® System                                     |  |
| 24 Hour continuous duty motor / Motor thermal protection |  |
| Super Potential Power System                             |  |
| Automatic Start & Stop Electronic eyes (E) - Sensor (S)  |  |
| EPC - Electronic Power Control                           |  |
| Safety Stop with light signal for open door/bin out      |  |
| Safety Stop with light signal for bag or bin full        |  |
| Automatic Reverse System                                 |  |

#### Optionals Available

|                                    |          |
|------------------------------------|----------|
| AO - Automatic Oiler               | Optional |
| AF - Automatic Feeder              |          |
| LK - Lockable Cover                |          |
| MD - Metal Detection (Shred Guard) | Optional |
| CD - CDs/DVDs Cutting Unit         |          |

#### Dimensions

|  |              |
|--|--------------|
| Width x Depth x Height/with auto-feeder (cm) | 40 x 36 x 61 |
|--|--------------|

### MEDIUM OFFICE SHREDDERS SECURITY LEVELS P-2/P-4/P-5



| Kobra 260 TS |       |        |        | Kobra 270 TS |       |        |        |
|--------------|-------|--------|--------|--------------|-------|--------|--------|
| S4           | S5    | C2     | C4     | S4           | S5    | C2     | C4     |
| 260          |       |        |        | 270          |       |        |        |
| 3,8          | 5,8   | 1,9x15 | 3,9x40 | 3,8          | 5,8   | 1,9x15 | 3,9x40 |
| 26/28        | 28/30 | 12/14  | 22/24  | 27/29        | 30/32 | 12/14  | 23/25  |
| 21/23        | 23/25 | 10/12  | 17/19  | 22/24        | 24/26 | 10/12  | 18/20  |
| P-2          |       | P-5    | P-4    | P-2          |       | P-5    | P-4    |

|     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|
| T-2 | T-2 | T-5 | T-4 | T-2 | T-2 | T-5 | T-4 |
| E-2 | E-2 | E-4 | E-3 | E-2 | E-2 | E-4 | E-3 |
| O-2 | O-2 |     | O-3 | O-2 | O-2 |     | O-3 |
| T-2 | T-2 |     |     | T-2 | T-2 |     |     |
|     |     | F-2 | F-1 |     |     | F-2 | F-1 |

|      |    |      |    |      |  |      |  |
|------|----|------|----|------|--|------|--|
| 0,05 |    | 0,07 |    | 0,06 |  | 0,07 |  |
| 55   |    | 55   |    | 55   |  | 55   |  |
| 230  |    | 230  |    | 230  |  | 230  |  |
| 460  |    | 460  |    | 460  |  | 460  |  |
| 29   | 32 | 45   | 46 |      |  |      |  |

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|                        |                        |                        |
|------------------------|------------------------|------------------------|
| Optional               | Optional               | Optional               |
|                        |                        |                        |
| Optional               | Optional               | Optional               |
| Standard [0-1 T-2 E-2] | Standard [0-1 T-2 E-2] | Standard [0-1 T-2 E-2] |

|              |              |
|--------------|--------------|
| 40 x 36 x 80 | 53 x 43 x 88 |
|--------------|--------------|

### MEDIUM/LARGE OFFICE SHREDDERS SECURITY LEVELS P-2/P-4/P-5



| Kobra 310 TS |       |        |        |
|--------------|-------|--------|--------|
| SS4          | SS5   | CC2    | CC4    |
| 310          |       |        |        |
| 3,8          | 5,8   | 1,9x15 | 3,9x40 |
| 37/39        | 45/47 | 17/19  | 29/31  |
| 31/33        | 37/39 | 14/16  | 25/27  |
| P-2          |       | P-5    | P-4    |

|     |     |     |     |
|-----|-----|-----|-----|
| T-2 | T-2 | T-5 | T-4 |
| E-2 | E-2 | E-4 | E-3 |
| O-2 | O-2 |     | O-3 |
| T-2 | T-2 |     | T-4 |
|     |     | F-2 | F-1 |

|             |       |             |  |
|-------------|-------|-------------|--|
| 0,08        |       | 0,07        |  |
| 58          |       | 58          |  |
| 230         |       | 230         |  |
| 920 [2x460] |       | 920 [2x460] |  |
| 56          | 54/57 |             |  |

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|                        |                        |
|------------------------|------------------------|
| Optional               | Optional               |
|                        | AF - Optional          |
| Optional               | LK - Optional          |
| Optional               | ***Optional            |
| Standard [0-1 T-2 E-2] | Standard [0-1 T-2 E-2] |

|                                  |
|----------------------------------|
| 53 x 43 x 96 / 103 (auto-feeder) |
|----------------------------------|

### HEAVY DUTY SHREDDERS SECURITY LEVELS P-2/P-4/P-5



| Kobra 310 TS HD |        |
|-----------------|--------|
| C2              | C4     |
| 310             |        |
| 1,9x15          | 3,9x40 |
| 30/32           | 54/56  |
| 27/29           | 48/50  |
| P-5             | P-4    |

|     |     |
|-----|-----|
| T-5 | T-4 |
| E-4 | E-3 |
| O-4 | O-3 |
| T-5 | T-4 |
| F-2 | F-1 |
| E-4 | E-3 |

|      |  |
|------|--|
| 0,1  |  |
| 63   |  |
| 230  |  |
| 2600 |  |
| 88   |  |

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|                        |
|------------------------|
| Standard               |
|                        |
| Optional               |
| Optional [0-3 T-4 E-3] |

|              |
|--------------|
| 53 x 43 x 96 |
|--------------|

| Kobra 410 TS |        |        |
|--------------|--------|--------|
| S5           | C2     | C4     |
| 410          |        |        |
| 5,8          | 1,9x15 | 3,9x40 |
| 68/72        | 30/32  | 54/56  |
| 60/64        | 27/29  | 48/50  |
| P-2          | P-5    | P-4    |

|     |     |     |
|-----|-----|-----|
| T-2 | T-5 | T-4 |
| E-2 | E-4 | E-3 |
| O-2 | O-4 | O-3 |
| T-2 | T-5 | T-4 |
|     | F-2 | F-1 |
| E-2 | E-4 | E-3 |

|      |     |
|------|-----|
| 0,1  |     |
| 63   |     |
| 230  |     |
| 2600 |     |
| 105  | 112 |

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|                        |
|------------------------|
| Standard               |
|                        |
| Optional               |
| Optional [0-3 T-4 E-3] |

|               |
|---------------|
| 60 x 48 x 104 |
|---------------|

### INDUSTRIAL SHREDDERS



| Kobra 430 TS |
|--------------|
| C4           |
| 430          |
| 5,8x50       |
| 125/130      |
| 100/105      |
| P-3          |

|     |
|-----|
| T-3 |
| E-2 |
| O-2 |
| T-3 |
| E-2 |

|         |  |
|---------|--|
| 0,21    |  |
| 60      |  |
| 380-415 |  |
| 4000    |  |
| 480     |  |

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|          |
|----------|
| Standard |
|          |
| Optional |
|          |

|                |
|----------------|
| 81 x 161 x 170 |
|----------------|

\*Capacity varies on supply power, weight, quality and grain of paper, operating temperature and blade lubrication  
\*\*Speed calculated at 60 Hz as knife outside diameter x rpm

||| Straight-cut models S4 | S5  
||| Cross-cut models C2 | C4

Legenda ISO/IEC 21964 (DIN 66399)  
Paper ..... P  
CD / DVD ..... O  
Floppy disk ..... T  
Credit card ..... T  
Smart card ..... E  
USB ..... E  
Film ..... F

\*\*\*Metal detector system available on all models without Auto-Feeder

KOBRA® and ENERGY SMART® are registered trademarks



CB, SP, CE, KOBRA® shredders are built according to CE standard and carry the most International recognized safety marks



ENERGY SMART® Management System  
for power saving stand-by mode

**HIGH SECURITY SHREDDERS**  
SECURITY LEVELS P-6/P-7



| TS LINE                                  | Kobra 245 TS |       | Kobra 260 TS |       | Kobra 270 TS |       | Kobra 310 TS |       | Kobra 310 TS HD |      | Kobra 410 TS |      |
|--|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------|------|--------------|------|
| HIGH SECURITY MODEL                      | HS           | HS-6  | HS           | HS-6  | HS           | HS-6  | HS           | S-6   | HS              | HS-6 | HS           | HS-6 |
| Throat width (mm)                        | 245          |       | 260          |       | 270          |       | 310          |       | 310             |      | 410          |      |
| Shred size (mm)                          | 0,8x9,5      | 0,8x5 | 0,8x9,5      | 0,8x5 | 0,8x9,5      | 0,8x5 | 0,8x9,5      | 0,8x5 | 0,8x9,5         | 1x5  | 0,8x9,5      | 1x5  |
| Sheet capacity* (A4/70g)                 | 6/8          | 4/5   | 6/8          | 4/5   | 8/10         | 4/5   | 11/13        | 5/6   | 20/22           | 12   | 20/22        | 12   |
| Sheet capacity* (A4/80g)                 | 5/6          | 3/4   | 5/6          | 3/4   | 7/8          | 3/4   | 10/11        | 4/5   | 18/20           | 10   | 18/20        | 10   |
| Security Level ISO/IEC 21964 (DIN 66399) | P-6          | P-7   | P-6          | P-7   | P-6          | P-7   | P-6          | P-7   | P-6             | P-7  | P-6          | P-7  |

**Shreddable Material**

|                   |     |  |     |  |     |  |     |  |     |  |     |  |
|-------------------|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|
| Credit card       | T-6 |  | T-6 |  | T-6 |  | T-6 |  | T-6 |  | T-6 |  |
| Smart card        |     |  |     |  |     |  |     |  | E-5 |  |     |  |
| CD/DVD/BluRayDisc |     |  |     |  |     |  |     |  | O-5 |  |     |  |
| Floppy disk       |     |  |     |  |     |  |     |  |     |  |     |  |
| Microfilm/Foil    | F-3 |  | F-3 |  | F-3 |  | F-3 |  | F-3 |  | F-3 |  |
| Memory stick      |     |  |     |  |     |  |     |  |     |  |     |  |

**Main Features**

|                                       |      |      |      |             |      |
|---------------------------------------|------|------|------|-------------|------|
| Waste bin/bag volume (L) / Waste bag  | 40   | 60   | 110  | 135         | 205  |
| Speed** (m/s)                         | 0,08 | 0,08 | 0,07 | 0,08        | 0,1  |
| Noise level (dba)                     |      | 55   |      | 58          | 63   |
| Voltage (V50/60Hz)                    |      | 230  |      | 230         |      |
| Power (Watt)                          |      | 460  |      | 920 (2x460) | 2600 |
| Weight standard/with auto-feeder (Kg) | 29   | 33   | 50   | 57/59       | 91   |

**Technological Equipments**

|  |  |
|--|--|
| ENERGY SMART® System                                     |  |
| 24 Hour continuous duty motor / Motor thermal protection |  |
| Super Potential Power System                             |  |
| Automatic Start & Stop Electronic eyes (E) · Sensor (S)  |  |
| EPC – System wydajności niszczenia                       |  |
| Safety Stop with light signal for open door/bin out      |  |
| Safety Stop with light signal for bag or bin full        |  |
| Automatic Reverse System                                 |  |

**Optionals Available**

|                                    |                             |                                      |
|------------------------------------|-----------------------------|--------------------------------------|
| AO - Automatic Oiler               | Optional                    | Standard                             |
| AF - Automatic Feeder              |                             | AF - Optional                        |
| LK - Lockable Cover                |                             | LK - Optional                        |
| MD - Metal Detection (Shred Guard) | Optional                    | ***Optional                          |
| CD - CDs/DVDs Cutting Unit         |                             | Optional                             |
|                                    | CD - Optional (0-1 T-2 E-2) | CD - Optional 1,5x2 mm (0-6 T-6 E-5) |

**Dimensions**

|             |    |        |     |
|-------------|----|--------|-----|
| Width (cm)  | 40 | 53     | 60  |
| Depth (cm)  | 36 | 43     | 48  |
| Height (cm) | 61 | 80     | 88  |
|             |    | 96/103 | 96  |
|             |    |        | 104 |

High Security models  
HS | HS-6

\*Capacity varies on supply power, weight, quality and grain of paper, operating temperature and blade lubrication  
\*\*Speed calculated at 60 Hz as knife outside diameter x rpm  
\*\*\*Metal detector system available on all models without Auto-Feeder

