



KRASSER

OPTIMA

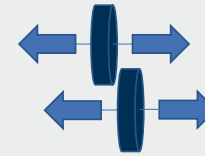
CUTTING SHEET METAL
TO SIZE FAST AND SIMPLE

THE OPTIMA SLITTING MACHINE SYSTEM COMBINES OVER
20 YEARS OF EXPERIENCE IN AUTOMATIC COIL PROCESSING
SYSTEMS WITH **INNOVATION, SIMPLICITY AND ROBUSTNESS**

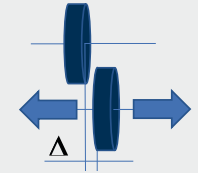
NEW

OPTIMA

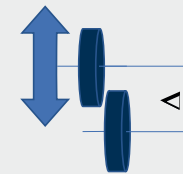
AUTOMATIC- PRACTICAL



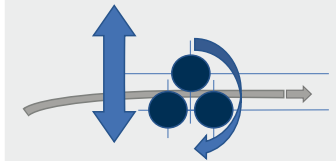
automatic
knife positioning



automatic
cutting gap adjustment



automatic
cutting depth adjustment



automatic straightening roll
positioning (progressive)

OPTIMA ADVANTAGES - STURDY - COMPACT - SIMPLE

01 / easy to use

02 / ideal configured software
and hardware

03 / intuitive and
user-friendly operation

04 / reliable and efficient

05 / high quality

06 / lowest priced slitting machine
on market with automatic knife
adjustment

07 / sturdy

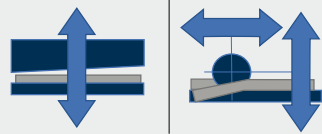
08 / simple construction

09 / useful machine control
functions

We are happy to provide further information about technical innovations and functions.



automatic
sheet metal alignment



automatic guillotine shear
or roller shear

TECHNICAL DATA

Maximum sheet metal width	1.250 mm / 49"
Minimum sheet metal width	250 mm / 10"
Sheet metal thickness STEEL up to 400 N/mm ²	0.4 – 1.25 mm* / 29 - 18ga*
Sheet metal thickness STAINLESS steel up to 550 N/mm ²	0.4 – 0.9 mm* / 28 - 22ga*
Sheet metal thickness ALUMINUM (AlMg3) and COPPER	0.5 – 1.5 mm* / 0.02" - 0.063"
Minimum sheet metal slitting width	60 mm (15mm from slitting knife to sheet metal edge) / 2.4" (0,6")
Straightening unit (automatic, progressive)	swivelling 3 roll-straightening unit (optional)
Maximum cutting speed	30 m/min / 100ft/min (adjustable)
Cutting accuracy	class „m“ DIN/ISO 2768 ± 0.8 mm/m (± 1/100"/ft)
Slitting (longitudinal cut)	with 5 slitting knife pairs (maximum total of 8 slitting knife pairs)
Cutting (transverse cut)	with standard guillotine shear or roller shear (optional)
Film application	1 film roll, manual (optional)
Label printing	label printer for manual applying (optional)
Recoiling	interface-set (optional) metal sheets
Sheet metal feeding	coils on coil carts coils on driven decoilers coils from existing coil storage systems
Network connection	included (if network access available)
Cutting optimization software	Bendex interface included KRASSER OPTIMIZER Software (optional)
Power supply	3PH 400-488 V AC/N/PE - 11kW/16A (300mA fuse)
Compressed air supply	25 l/min 6 bar (short term / dried and filtered)
Machine characteristics	weight: 1.5t / 3,300 lbs size: L 1.6m x W 2.5m x H 1.3m L 5.3ft x W 8.2ft x H 4.3ft

KNIFE SPECIFICATION CHART

For equal distributed knives and sharp blades!

number of used knives	sheet metal thickness range per material: Thickness range [see unit below]				
	copper	steel up to 400 N/mm ²	stainless steel up to 550 N/mm ²	aluminium (AlMg3)	zinc
2	16 - 48oz	29 - 18ga	28 - 22ga	0.020" – 0.063"	0.5 – 1.5mm
3	16 - 40oz	29 - 20ga	28 - 22ga	0.020" – 0.050"	0.5 – 1.25mm
4	16 - 34oz	29 - 20ga	28 - 24ga	0.020" – 0.040"	0.5 – 1.15mm
5+6	16 - 34oz	29 - 22ga	28 - 24ga	0.020" – 0.040"	0.5 – 1.0mm
7+8	16 - 24oz	29 - 22ga	28 - 26ga	0.020" – 0.032"	0.5 – 0.9mm

number of used knives	sheet metal thickness range per material: Thickness range [mm]				
	copper	steel upto 400 N/mm ²	stainless steel up to 550 N/mm ²	aluminium (AlMg3)	zinc
2	0.5 - 1.5	0.4 - 1.25	0.4 - 0.9	0.5 - 1.5	0.5 - 1.5
3	0.5 - 1.25	0.4 - 1.0	0.4 - 0.8	0.5 - 1.25	0.5 - 1.25
4	0.5 - 1.15	0.4 - 0.9	0.4 - 0.7	0.5 - 1.15	0.5 - 1.15
5+6	0.5 - 1.0	0.4 - 0.8	0.4 - 0.6	0.5 - 1.0	0.5 - 1.0
7+8	0.5 - 0.9	0.4 - 0.7	0.4 - 0.5	0.5 - 0.9	0.5 - 0.9

*...depending on amount of used slitting knife pairs (see "knife specification chart" below)

OPTIMA

OPTIONS FOR YOUR REQUIREMENTS

Choose from many options and functions for your exact production requirements.

Automatic slitting knife adjustment

A maximum of 8 fully automated positioned slitting knife pairs allows for fastest possible execution of cutting orders with the highest level of quality and precision.

+ rapid, ergonomic and precise



Straightening function

A swivelling 3-roll straightening unit enables straightening of sheet metal using a progressively controlled straightening roll. This automated system ensures reliable straightening results.

+ automated and reliable straightening function



Automatic cutting parameters

The material database of the OPTIMA allows for assignment of material-specific cutting parameters. The automated machine configuration based on the saved cutting parameters ensures the highest cutting quality of your sheet metal.

+ excellent cutting quality without manual adjustments



Robust

A solid welded base frame, proven construction as well as mechanisms and processes that have been optimized over 20 years form a robust machine system with little space requirement.

+ reliable and proven



Machine operation

A new software and new control hardware ensure a straightforward and easy to use machine operation. New machine functions and several language options allow user-friendly machine operation. The network-interface enables communication flexibility.

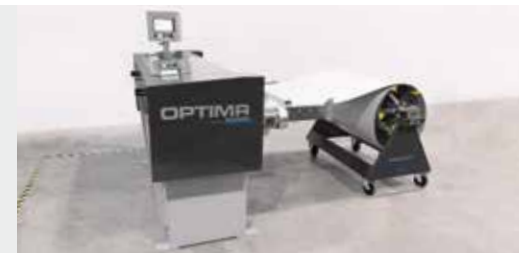
+ Intuitive, easy to use and communication flexibility



Compact

The OPTIMA machine system is compact and ideally designed for most sheet metal processing companies. The OPTIMA is the most compact automatic slitting machine system on the market.

+ minimal shopfloor space requirement



Automatic and reinforced side guide

The optimized pneumatic side guide ensures high cutting accuracy and assures a long lifetime, gentle guidance as well as increased lateral alignment force of sheet metal with coil widths between 250 and 1,250 mm (10" to 49").

+ practical and precise



Guillotine shear for transverse cut

The guillotine shear is a well known and popular cross cutting system which ensures excellent and precise cross cutting over the entire sheet metal width. The guillotine shear unit is known to be particularly reliable and sturdy built.

+ simple, sturdy and sophisticated





Roller shear for transverse cut

The roll shear allows partial cross cuts and is carried out automatically from the left and right side of the sheet metal. This enables individual sheet metal cutting patterns with minimal waste. This setup allows best quality (same setup as roll cross-shear designs for decades).

+ partial cuts with best cutting quality



Film application

The film application system is executed simple. A protection film on the upper sheet metal surface allows enhanced surface protection for the following process steps.

+ simple sheet metal surface protection



Small coil processing

As alternative for processing sheet metal coils from driven decoilers, it is also possible to use a non-powered coil cart to feed sheet metal coils to the OPTIMA. Sheet metal coils can be processed in a cost-effective, flexible and space-saving manner.

+ cost effective, flexible and space-saving



Interface to recoiling systems

Recoiling after slitting, or just cross-cutting after recoiling (cutting to length), has been carried out easily and reliably for years thanks to a simple and flexible machine interface set.

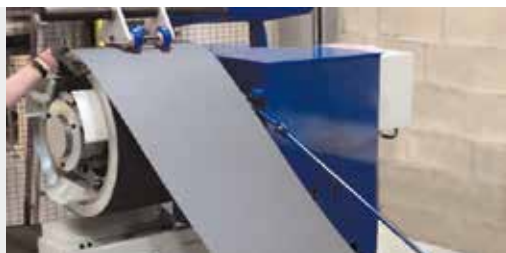
+ well-thought-out and flexible



Interface to decoiling systems / coil storage systems

With over a decade of experience in interfacing with a large number of different decoiling and coil storage systems, Krasser has the knowledge and flexibility to suit your production requirements.

+ flexible range of operation



Labeling

Automatically generated labels can be printed in sequence and applied by hand to each individual sheet metal strip. The flexible label design can contain a barcode for identification at subsequent machine systems and processes as well as further useful information content.

+ simple traceability and identification



KRASSER-OPTIMIZER

The OPTIMIZER is a simple optimization software with which cutting orders can easily be combined with one another and sheet metal waste can be reduced. Cutting orders can be uploaded via EXCEL-lists and linked to other machine systems.

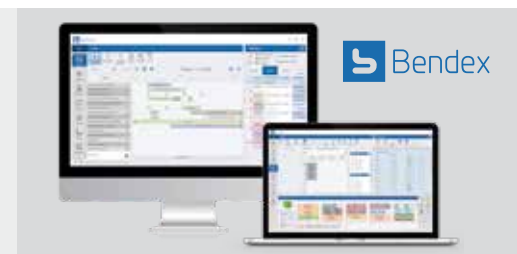
+ simple optimization for less waste



Bendex - interface

The Bendex-interface has been established for years to transfer cutting orders from Bendex to our slitting/cutting machine systems. We offer one of the most powerful Bendex-interfaces, that has been used worldwide at customers of different company sizes.

+ well established interface



OPTIMA

SOFTWARE THAT OPTIMIZES

KRASSER OPTIMIZER

- > simple and easy to use cutting optimization software
- > sheet metal cutting list import via EXCEL format (ERP,...)
- > cutting optimization and adaptation for less waste
- > optimization software for machine HMI display and network office PC
- > simple data-interface to bending machines possible



COIL STORAGE SYSTEMS




AUTOMATED SLITTING/
CUTTING MACHINES

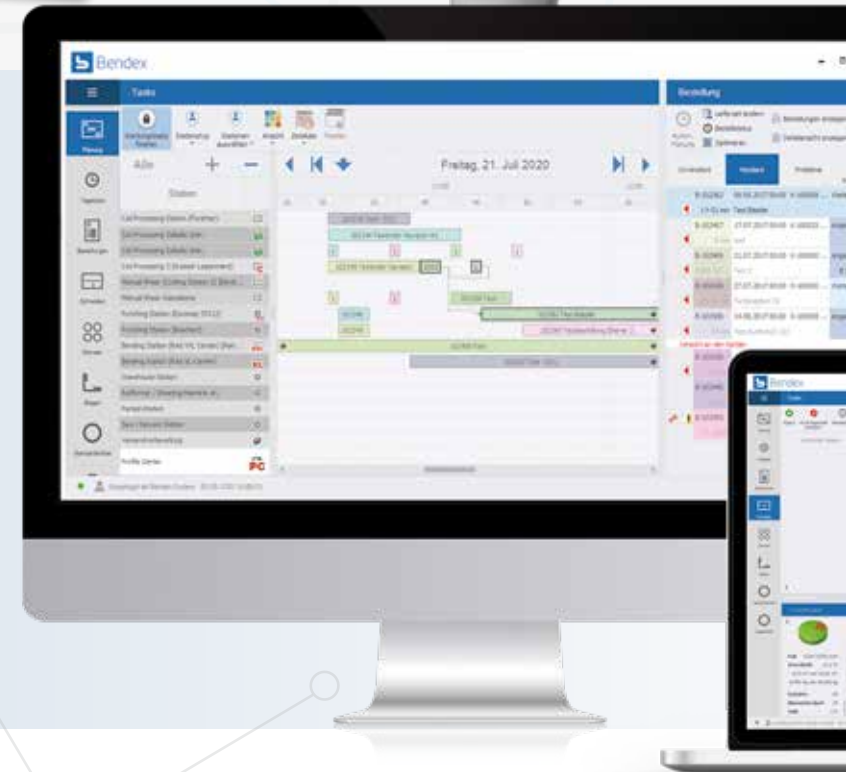


AUTOMATED BENDING MACHINES



Bendex -INTERFACE

- > certified  Bendex SILVER-Partner with sophisticated interface integration
- > interface existing for several years and proven in multiple applications
- > consistent data | design - sales - production - delivery – installation site
- > flexible possibilities for small to large enterprises
- > expandable with many options/modules for individual growth



KRASSER GMBH

EXPERIENCE AND TRUST MATTER

As experienced automation company for coil processing machinery it is our utmost concern to consult you as best as possible in order to find the perfect solution for your production requirements.
Your production will benefit from our striving for satisfied customers as well as our practical developments.



1st on market
and steadily
innovative



> 200
machine
systems



proven
quality and
competence



Worldwide
service & sales



Specialist for
coil processing
machinery



collaborative
partnership



Benefit from our worldwide competent cooperation partner network for consultation & service.

With experience and ambition, we are at your disposal as a reliable and competent business partner.



GET IN TOUCH



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