



KRASSER

CENTURIO

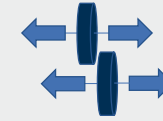
FULLY AUTOMATED AND FLEXIBLE SHEET METAL CUTTING

THE CENTURIO MACHINE SYSTEM IS **TRIED AND TRUSTED** AND COMBINES CONTINUOUS DEVELOPMENT **INNOVATIONS, FLEXIBILITY** AND **ROBUSTNESS** IN **AUTOMATIC SHEET METAL PROCESSING**.

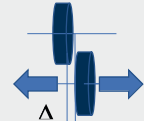
CENTURIO



AUTOMATIC- PRACTICAL



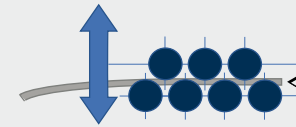
automatic
knife positioning



automatic
cutting gap adjustment



automatic
coil change



automatic straightening
roll positioning
(progressive / 5 or 7 rolls)



automatic
sheet metal alignment

ADVANTAGES OF THE CENTURIO - FULLY AUTOMATIC - ROBUST - PROVEN

01 / fully automatic sheet
metal cutting

02 / proven for
over 20 years

03 / high quality

04 / continually developed

05 / effortless, safe, fast

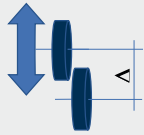
06 / flexible production

07 / robust

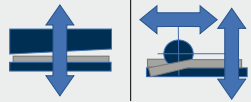
08 / variety of machine
functions

09 / reliable and efficient

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



automatic cutting depth adjustment



automatic guillotine shear or roller shear

KNIFE SPECIFICATION CHART for CENTURIO 1250

For equally 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
4	14 - 56oz	27 - 16ga	28 - 20ga	24" - 12"	0.5 - 2mm
6	14 - 42oz	27 - 18ga	28 - 22ga	24" - 15"	0.5 - 1,5mm
7	14 - 36oz	27 - 19ga	28 - 23ga	24" - 16"	0.5 - 1,25mm
8	14 - 35oz	27 - 22ga	28 - 24ga	24" - 18"	0.5 - 1mm

number of used knives	sheet metal thickness range per material: thickness range [mm]				
	copper	steel up to 400 N/mm ²	stainless steel up to 550 N/mm ²	aluminium (AlMg3)	zinc
4	0.5 - 2	0.4 - 1.5	0.4 - 1	0.5 - 2	0.5 - 2
6	0.5 - 1.5	0.4 - 1.25	0.4 - 0.8	0.5 - 1.5	0.5 - 1.5
7	0.5 - 1.25	0.4 - 1	0.4 - 0.7	0.5 - 1.25	0.5 - 1.25
8	0.5 - 1	0.4 - 0.8	0.4 - 0.6	0.5 - 1	0.5 - 1

Knife specification chart for CENTURIO 1500 on request

TECHNICAL DATA

Maximum sheet metal width	1,250 mm / 49" or 1,500 mm / 60"
Minimum sheet metal width	700 mm (250 mm) at 1,250 mm / 27,5" (10") at 49" 850 mm (400 mm) at 1,500 mm / 33.5" (15.7") at 60"
Sheet metal thickness STEEL up to 400 N/mm ²	0.4 - 1.5 mm* / 27 - 16ga*
Sheet metal thickness STAINLESS steel up to 550 N/mm ²	0.4 - 1 mm* / 28 - 20ga*
Sheet metal thickness ALUMINIUM (AlMg3) and COPPER	0.5 - 2 mm* / 24"- 12" / 14oz* - 56oz*
Minimum sheet metal slitting width	75 mm / 3" (15mm / 0.6" from slitting knife to sheet metal edge)
Straightening unit (automatic, progressive)	5 roll or 7 roll-straightening unit (optional)
Maximum cutting speed	35 m/min / 115ft/min (adjustable)
Cutting accuracy	class „m“ DIN/ISO 2768 ± 0,8 mm/m (± 1/100"/ft)
Slitting (longitudinal cut)	with 5 slitting knife pairs (0, 6, 7 or 8 slitting knife pairs optional)
Cutting (transverse cut)	with standard guillotine shear or roller shear (optional)
Film application	manual or automatic (both optional)
Label printing	label printer for manual applying or automatic label application (both optional)
Recoiling	interface-set (optional)
Sheet metal feeding	metal sheets coils on coil carts coils on driven decoilers coils from 1-lane automatic coil warehouse coils from multi-lane automatic coil warehouse (max. 5 lanes)
Coil exchange time	< 2 min. at automatic coil warehouse depending on application
Coil weight	depending on sheet metal feeding type max 8 ton / 17,600 lbs at automatic coil warehouse
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 or 22kW / 32A (300mA fuse)
Compressed air supply	100 l/min or 150 l/min - 6 bar (short term / dried and filtered)
Machine characteristics	weight and size: depending on machine configuration, available upon request

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

CENTURIO

OPTIONS FOR YOUR REQUIREMENTS

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

Automatic slitting knife positioning

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

+ fast, ergonomic and precise



Straightening function

A 5-roll or 7-roll straightening unit enables straightening of sheet metal using a progressively controlled straightening system. This automated system ensures reliable straightening results.

+ automated and reliable straightening function



Automatic cutting parameters

The CENTURIO system allows for assignment of material-specific cutting parameters (cutting gap, cutting depth, coil alignment force, straightening unit 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

Straight forward and easy to use machine operation through one or several HMI displays at a machine system. Intuitive HMI screens and several language options allow user-friendly machine operation. The network-interface enables communication flexibility.

+ easy to use and communication flexibility



Stand-alone or with automated coil warehouse system

The CENTURIO system is available as a stand-alone system or with an automatic coil warehouse system. Simple subsequent extension possibilities ensure production flexibility and growth options.

+ flexible range of applications



Automatic coil warehouse solution

The coils are transported fully automatic to the sheet metal cutting machine and the lose end of the coils are fed into the cutting machine using a patented mechanism which guarantees absolute protection of the material surface and does not require any manual operation.

+ safe, damage-free and effortless



Flexible coil storage options

The automated coil warehouse can be executed as single-lane or multi-lane system. The automated coil warehouse can be adapted optimal to the respective needs, as it can be expanded as required. With this system coils are stored damage free.

+ fast and flexible production



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 robust built.

+ simple, sturdy and sophisticated



Coil axle technology

Process-safe and damage-free coil processing due to robust coil axles with clamping bars. An additional optional available coil axle brake ensures safe processing of larger sheet metal thicknesses.

+ reliable, proven and robust



Roller shear for transverse cut

The roller 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. The setup allows for excellent quality.

+ partial cuts with best cutting quality



Film application

A film application system can be executed manually or automatically and is kept simple. A protection film on the upper sheet metal surface allows enhanced surface protection for the following process steps.

+ simple sheet metal surface protection



Processing of small coils / residual coil quantities

Automated sheet metal cutting from small coils / residual amounts of coils are carried out quickly and without great effort using the coil cage. With the coil cage, small coils can be exchanged with just a few simple process steps.

+ fast and effortless



Interface to recoiling systems

Recoiling after slitting or just cutting to length (cross-cutting prior to a recoiling process without slitting) is being 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 / uncoilers

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

+ flexible range of operation



Labeling

The automatic label application system applies labels to each individual sheet metal strip for easy and traceable handling of parts in subsequent processes (in production, shipping and on installation sites). The flexible label design can contain useful information content as well as a barcode for identification.

+ 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.

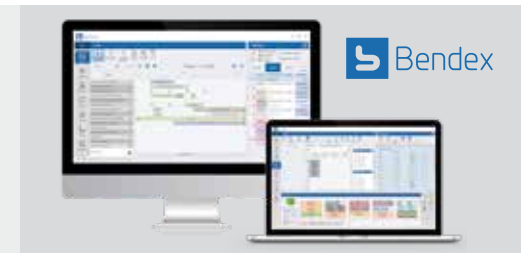
+ simple optimization for less waste



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.

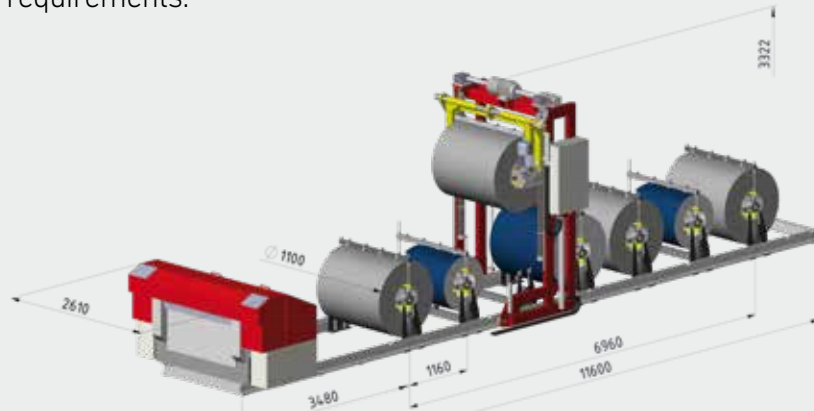
+ well established interface



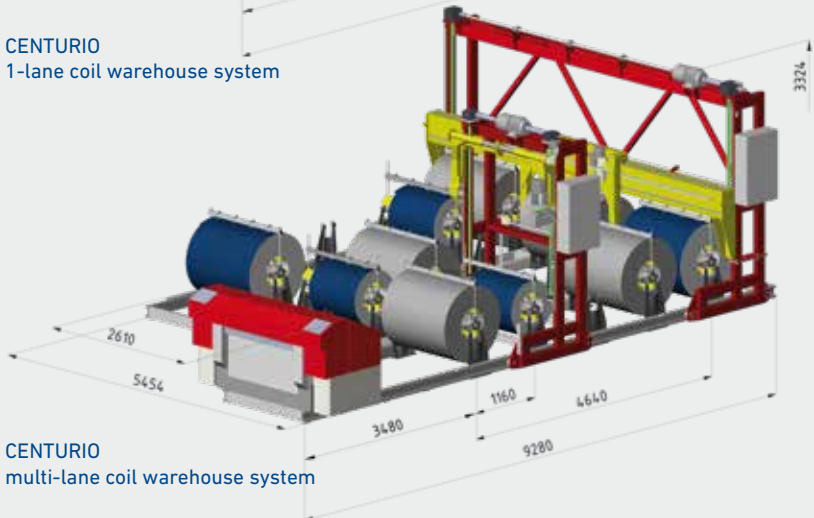
CENTURIO COIL PROCESSING

FLEXIBLE – ROBUST - EFFORTLESS

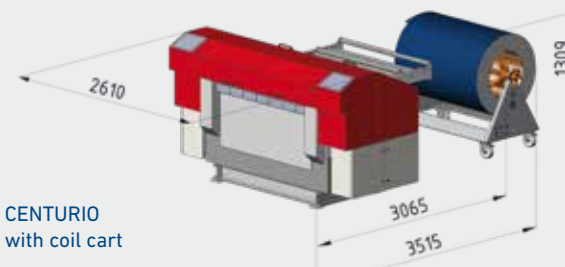
The flexible design of the automatic coil warehouse system allows optimal adaptation to your current and future production requirements.



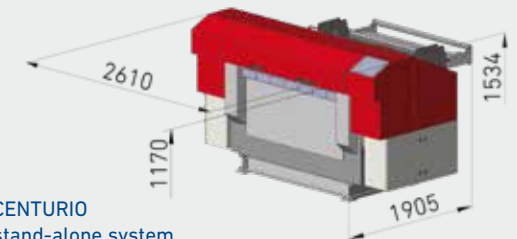
CENTURIO
1-lane coil warehouse system



CENTURIO
multi-lane coil warehouse system



CENTURIO
with coil cart



CENTURIO
stand-alone system



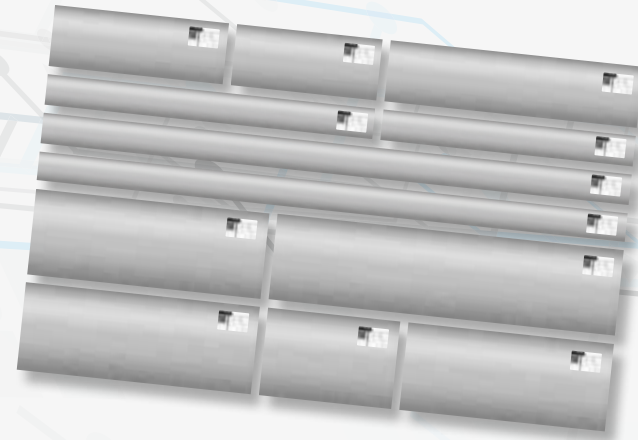
Our patented machine systems allow you to run flexible and cost-effective production. Your customers and staff are benefiting from fastest possible production throughput times and effortless sheet metal processing.

SOFTWARE THAT OPTIMIZES


KRASSER OPTIMIZER

SIMPLE | PRACTICAL | FAST

- > 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
- > proposal of defined standard part dimensions in residual sheet metal material



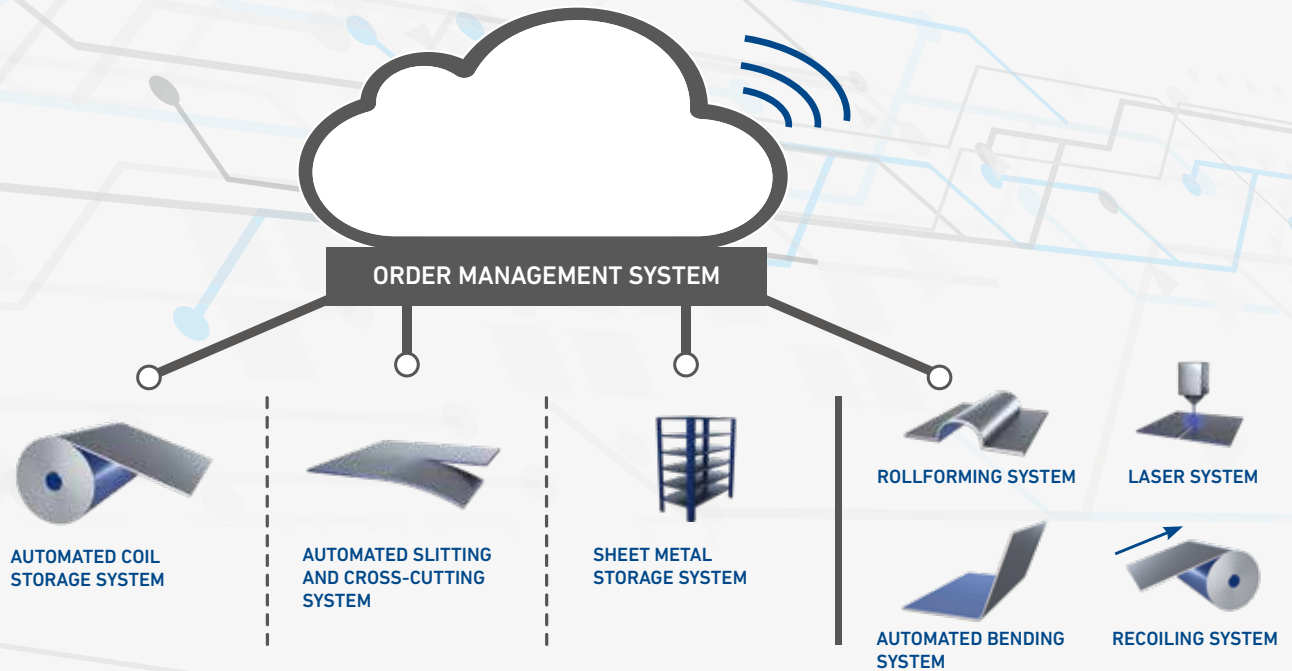
Bendex -INTERFACE

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



DIGITALIZATION ACCORDING TO YOUR NEEDS

Digitalization in sheet metal processing industry offers advantages for small and large size companies. Choose the right software option depending on your size and requirements.



We would be happy to advise you with our experience

- > cutting optimization
- > suggestion of standard part sizes in remnant sheet metal material areas
- > internal traceability
- > time savings when entering cutting orders
- > interface possibilities (bending machines, software systems, ...)
- > and much more

KRASSER GMBH WORLDWIDE AT YOUR SIDE

EXPERIENCE AND TRUST MATTER

As an experienced automation company for coil processing machinery, it is our utmost concern to consult with 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 product developments.



Our service does not end with a successful handover of a machine system. Your economic and efficient production with our machine systems is extremely important to us.



1st on market
and steadily
innovating



> 200
machine systems
worldwide



proven
**quality and
competence**



Worldwide
service & sales



Specialist for
coil processing
machinery



collaborative
partnership

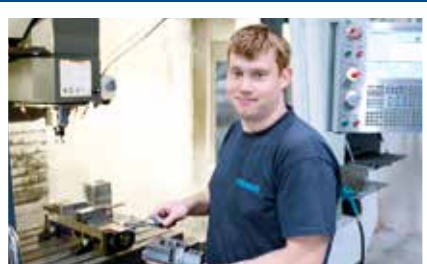
THE PRACTICAL BENEFIT OF OUR CUSTOMERS IS IN OUR FOREFRONT

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.

100%

committed to
our customers



Since all resources are in our house, we are an efficient and independent partner for our customers. Our organization is setup for rapid action and a straight forward work ethic.



GET IN TOUCH



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