

DEBURRING AND FINISHING MACHINES

DRY AND WET



ITALIAN
TAYLOR MADE
MACHINES

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PRODUCT CATALOGUE





ABOUT COMPANY

We design and produce solutions for deburring and grinding metals following our customers' specific requests. A complete offer of products to meet the multiple needs of production following the founding value based on the attention to the high quality of the material 100% made in Italy.

The accurate selection of Italian suppliers located in a radius of 200 km from our company and the constant supervision of the internal production through an attentive planning of each company methods, allow us to respect the quality to guarantee a full satisfaction of the customer.

The technical department, equipped with avant-garde tools, works constantly planning innovative machines in a creative method where the customer is involved in every step.



A high qualified team and an efficient consultation and after-sales service allow us to boast a great presence of our products on worldwide market.



Real progress happens
only when advantages of
a new technology
become available to
everybody.

"Henry Ford"

DEBURRING & FINISHING

Machines designed for deburring, finishing and rounding edge of metal surfaces with useful working width from 300 mm up to 1350 mm.

Also suitable for processing flat pieces shaped and with holes resulting from laser cutting, punching and oxy-cutting or plasma.

Each machine can be configured with multiple operating groups, up to 4 internal, to ensure the best result for the process production of the user. Simple to install and use are built with steel frame welded and normalized which guarantees stability and rigidity to withstand even heavy processing.

The work table with motorized lifting by synchronized movement of 4 trapezoidal screws with double anchoring, allows an adjustment of the thickness of the workpiece from work with fine control $\pm 0,1$. Conveyor belt in ultraresistant natural rubber oilproof with automatic centering system.

Variable speed from 0.2 to 6.5 m/min

ITALIAN TAYLOR MADE MACHINES

Independent motors for each group to guarantee a complete control of the machine and processing, allowing a great versatility of use. Dust extraction hoods inside of the machine for each single group of work, directly on the production point.
Complete control panel for total management of speeds, thicknesses and working pressures. Alarm diagnostic unit with display for an immediate detection of emergencies and / or breakdowns. Thickness control system for abrasive belt (GRIT SET) with possibility of memorization of the types most used.
Rubberized pressure rollers, oil and heat resistant, positioned before and after each working group. Idle support rollers at entry and exit from the conveyor belt.

WORKING GROUPS

R Abrasive belt unit with 55° shore rubber contact roller, diameter from 150 mm to 190 mm, equipped with automatic belt centering.



X Double row of rotating and oscillating brushes, diameter 115 mm. Automatic motorized positioning.



**B4
B8** Carousel unit with 4 or 8 cylindrical brushes diameter 320 mm with double rotation for rounding edges up to 2 mm, even inside the holes.

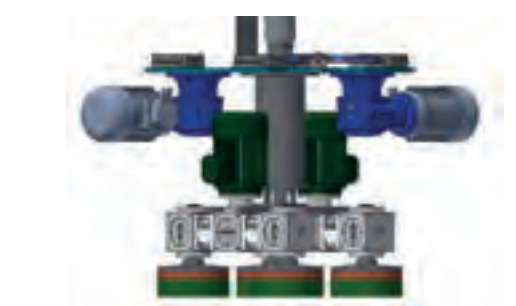


B/b Cylindrical brush group in scotch brite, diameter from 150 mm to 200 mm.



b - external cylindrical brush group in scotch brite diameter 150 mm.

T4 Oscillating carousel group with top brushes 200 mm with double rotation for a perfect rounding of the edges even on small workpieces



G15
DRY



TECHNICAL DATA

Working width	mm 150
Abrasive belt size	mm 150x2000
Brushes size	Ø mm 200
Working thickness min/max	mm 1/105
Feeding speed min/max	1 a 4
Suction required	2000 m³/h
Overall dimensions L x P x H	mm 1774x853x1929
Approx weight from	kg 430

- »» DEBURRING
- »» SATIN FINISH
- »» ROUNDING EDGES

CONFIGURABLE ACCESSORIES:

- »» Additional infeed and outfeed rollers



CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller.
- T – Unit with single row of rotating and oscillating top brushes diameter mm 200.

G30
DRY



TECHNICAL DATA

Working width	mm 300
Abrasive belt size	mm 1900x320
Brushes size	Ø mm 115
Working thickness min/max	mm 0,5/120
Feeding speed min/max	1 a 4
Suction hoods	mm 200
Suction required	2000 m³/h
Overall dimensions L x P x H	mm 620x2134x2050
Approx weight from	kg 540

- »» DEBURRING
- »» SATIN FINISH
- »» ROUNDING EDGES

Manual grit set

CONFIGURABLE ACCESSORIES:

- »» Variable speed for each working group
- »» Conveyor belt cleaning brush
- »» Additional infeed and outfeed rollers
- »» Touch screen
- »» Vacuum table



CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller.
- B – Cylindrical brush group in scotch brite.
- b – External cylindrical brush in scotch brite.
- X – Unit with two rows of rotating and oscillating top brushes (n. 4) diameter mm 115

G65

DRY



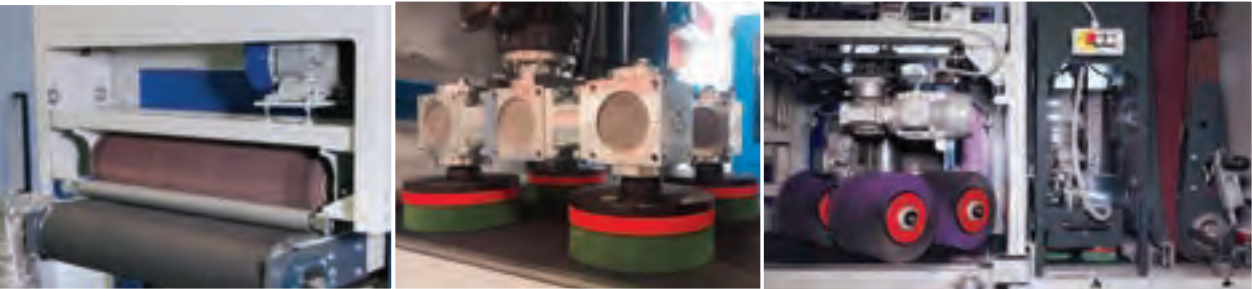
TECHNICAL DATA

Working width	mm 650
Abrasive belt size	mm 660x2200
Brushes size	Ø mm 115
Working thickness min/max	mm 0,5/120
Feeding speed min/max	0,6/6
Suction hoods	mm 150
Suction required	4000 m³/h
Overall dimensions L x P x H	mm 1176x2137x2050
Approx weight from	kg 1700

- » DEBURRING
 - » SATIN FINISH
 - » ROUNDING EDGES
- Touch screen as standard
Electronic Grit set as standard
Variable speed R group as standard

CONFIGURABLE ACCESSORIES:

- » Vacuum table
- » Conveyor belt cleaning brush
- » Powerful motors
- » 4.0 ready
- » Additional infeed /outfeed rollers
- » Magnetic track
- » Operator piece return



CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 190.
- X – Unit with two rows of rotating and oscillating top brushes (n.8) diameter mm 115.
- B – Cylindrical brush group in scotch brite, diameter mm 200.
- B4 – Carousel group with 4 abrasive brushes diameter 250 mm.
- b – External cylindrical brush in scotch brite diameter 150 mm.

G135

DRY



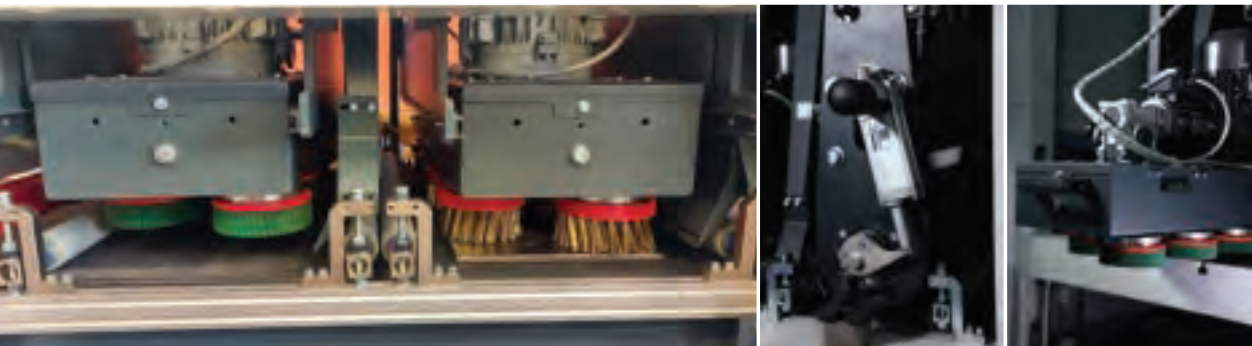
TECHNICAL DATA

Working width	mm 1350
Abrasive belt size	mm 2200x1370
Brushes size	Ø mm 115
Working thickness min/max	0,5/120
Feeding speed min/max	0,6/6
Suction hoods	mm 150
Suction required	6000 m³/h
Overall dimensions L x P x H	mm 1876x2137x2070
Approx weight from	kg 1800

- » DEBURRING
 - » SATIN FINISH
 - » ROUNDING EDGES
- Touch screen as standard
Electronic Grit set as standard
Variable speed R group as standard

CONFIGURABLE ACCESSORIES:

- » Vacuum table
- » Conveyor belt cleaning brush
- » Powerful motors
- » 4.0 ready
- » Additional infeed /outfeed rollers
- » Magnetic track
- » Operator piece return



CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 180.
- X – Unit with two rows of rotating and oscillating top brushes (n. 20) diameter mm 115.
- B – Cylindrical brush group in scotch brite, diameter mm 200
- b – External cylindrical brush in scotch brite, diameter 150 mm

G135RB8

DRY



TECHNICAL DATA

Working width	mm 1350
Abrasive belt size	mm 2200x1370
Brushes size	mm 300x532
Working thickness min/max	0,5/120
Feeding speed min/max	0,2/2
Suction hoods	mm 150
Suction required	6000 m³/h
Overall dimensions L x P x H	mm 2177x4277x2235
Approx weight from	from kg 4190

- »» DEBURRING
- »» SATIN FINISH
- »» ROUNDING EDGES

Touch screen as standard
Electronic Grit set as standard
Variable speed R group as standard
Rounding up to 2 mm



CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 125.
- X – Unit with two rows of rotating and oscillating top brushes (n.8) diameter mm 115.
- B – Cylindrical brush group in scotch brite, diameter mm 300.

GCB 25/30/40

DRY

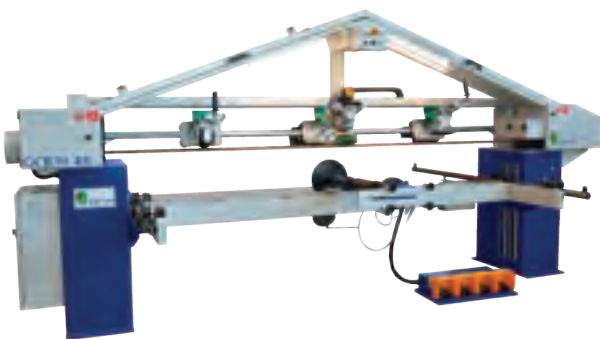


TECHNICAL DATA

Working table size Abrasive belt size	mm 2500/3000/4000x800
Z table stroke	mm 120 x 8000/9000/10935
Max piece weight on table	mm 600
Max weight on locking system	kg 100
Max weight on manipulator	kg 8
Overall dimensions L x P x H	kg 37
Approx weight	mm 1000x3750x2200
	from kg 790

- »» DEBURRING
- »» SATIN FINISH
- »» ROUNDING EDGES

Double crossed belt
Configurable with roller or brush for multiple processes
Pneumatic tensioning of abrasive belts
Suction cup handling system available for shaped pieces
Accessories storage watrehouse



CONFIGURABLE WORKING GROUPS

- R – Double belts unit with pneumatic tensioning system, high flexibility to adapt to all conditions of the pieces
- T – single independent brush for rounding edges

GM65

DRY



TECHNICAL DATA

Working width	mm 650
Abrasive belt size	mm 660x2200
Brushes size	-
Working thickness min/max	0,5/120
Feeding speed min/max	0,6/6
Suction hoods	mm 150
Suction required	2000 m³/h
Overall dimensions L x P x H	mm 980x1386x1990
Approx weight from	kg 590

- »» DEBURRING
- »» SATIN FINISH

CONFIGURABLE ACCESSORIES:

- »» Magnetic track



CONFIGURABLE WORKING GROUPS

R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 190.

GM110

DRY



TECHNICAL DATA

Working width	mm 1100
Abrasive belt size	mm 1120/1524
Brushes size	-
Working thickness min/max	0,5/120
Feeding speed min/max	1 a 4
Suction hoods	mm 150
Suction required	2000 m³/h
Overall dimensions L x P x H	mm 1600x1386x1990
Approx weight from	kg 800

- »» DEBURRING
- »» SATIN FINISH

CONFIGURABLE ACCESSORIES:

- »» Magnetic track



CONFIGURABLE WORKING GROUPS

R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 190.

G65DCC

DRY



TECHNICAL DATA

Working width	mm 600
Abrasive belt size	mm 680x1500
Brushes size	mm 66x52
Working thickness min/max	10/120
Feeding speed min/max	0,7/7
Suction hoods	mm 150
Suction required	4000 m³/h
Overall dimensions L x P x H	mm 1900x1776x2130
Approx weight from	kg 1520

- »» DESLAGGING
- »» ROUNDING EDGES
- Touch screen as standard
- Magnetic table as standard
- Strips brushes for an homogeneous rounding



CONFIGURABLE WORKING GROUPS

- D** – Abrasive belt unit on roller diameter 420 mm 20 shores controlled by pneumatic cylinder.
- C** – Brushes group with 82 brushes on transverse belts, with reverse rotation, with independent motors

GT06

DRY



TECHNICAL DATA

Working width	mm 600
Abrasive belt size	mm 2500x50
Brushes size	mm 66x32
Working thickness min/max	0,5 a 80
Feeding speed min/max	0,7/7
Suction hoods	mm 150
Suction required	4000 m³/h
Overall dimensions L x P x H	mm 1170x1676x2096
Approx weight from	kg 2000

- »» ROUNDING EDGES
- »» DEBURRING
- »» FINISHING
- Fixed bench with motorized rollers table
- Simultaneous processing on both sides
- Transversal brush groups
- Touch screen as standard



CONFIGURABLE WORKING GROUPS

- R** – Transversal abrasive belt unit with pressure pad to facilitate the entry of pieces with independent self-breaking motor. Pneumatic tensioning system.
- C** – Cross belt unit with strips brushes for a perfect rounding on all the sides of the sheet even inside the holes.

CUB

DRY



CUB 30

TECHNICAL DATA

Brushes diameter	mm 180
Working width	mm 300
Feeding speed	m/min 1-7
Piece minimum lenght	mm 100
Working thickness min/max	mm 0,5/250
Overall dimensions L x P x H	mm 1120x1068x1360
Approx weight	kg 385

CUB 60BB

TECHNICAL DATA

Brushes diameter	mm 200
Working width	mm 600
Feeding speed	m/min 1-7
Piece minimum lenght	mm 100
Working thickness min/max	mm 0,5/250
Overall dimensions L x P x H	mm 1310x1070x1564
Approx weight	kg 700

CUB 30B1B2

TECHNICAL DATA

Brushes diameter	mm 180
Working width	mm 300
Feeding speed	m/min 1-7
Piece minimum lenght	mm 100
Working thickness min/max	mm 0,5/250
Overall dimensions L x P x H	mm 1150x750x1200
Approx weight	kg 450

- » DEBURRING
- » SATIN FINISH

Brushes with motorized independent pressure adjustment
Conveyor belt variable speed
Independent motors
Pressure rollers with independent adjustment



CONFIGURABLE WORKING GROUPS

B – Cylindrical brush unit in scotch brite.

EASY T

DRY

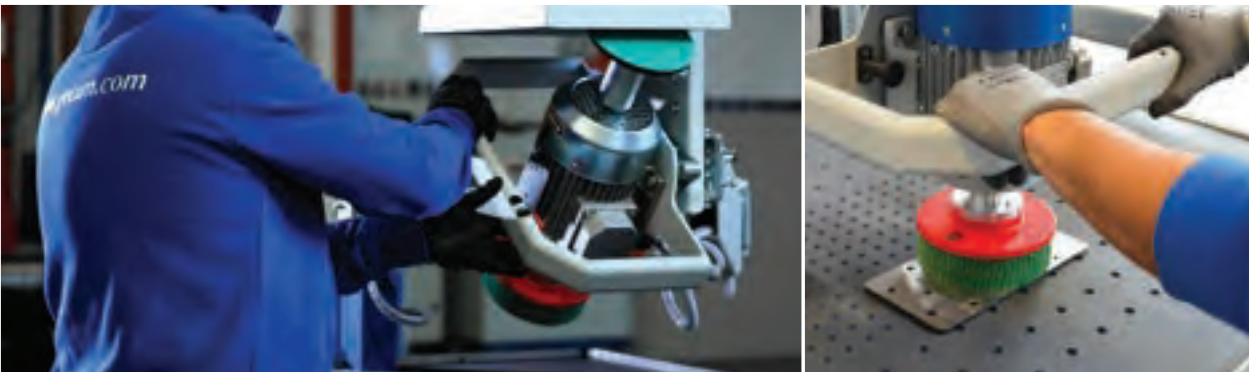


TECHNICAL DATA

Working table	mm 800x1300
Working height	mm 945
Vacuum area	mm 250x350
Motor Power	kW 0.75
Brush diameter	mm 150
Pieces max thickness	mm 150

- » DEBURRING
- » SATIN FINISH
- » ROUNDING EDGES

Double tool on 180° tilting swinging arm
Vacuum table
Suction hood inside
Tool activation buttons on handlebar



CONFIGURABLE WORKING GROUPS

T – Top brush unit quick release system, diameter 150 mm.

G30

WET



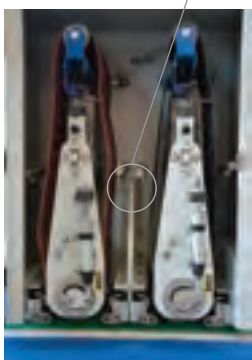
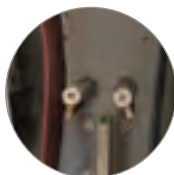
TECHNICAL DATA

Working width	mm 300
Abrasive belt size	mm 320x1900
Working thickness	mm 140
Feeding speed min/max	m/min 5/10
Overall dimensions	mm 1430x860x2100
Approx weight	da kg 660
working groups	max 2

- » DEBURRING
- » SATIN FINISH
- » ROUNDING EDGES

External sludge collection tank
Fixed bench at 900 mm
Configurable with touch screen
Independent management of water sprinklers

Water sprayers
directly on the
working tool



CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 125.
- T – Unit with single row of rotating and oscillating top brushes diameter mm 115.
- B – Cylindrical brush group in scotch brite, diameter mm 150.

G65/135

WET



TECHNICAL DATA

Working width	mm 1300
Working thickness min/max	mm 0,8 to 140
Abrasive belt size	2200x1320
Variable feeding speed	m/min 0,5 to 10
Approx weight	kg 4000
Overall dimensions	mm 2300x1600x2380

- » DEBURRING
- » SATIN FINISH
- » ROUNDING EDGES

External sludge collection tank
Fixed bench at 900 mm
Configurable with touch screen
Independent management of water sprinklers

CONFIGURABLE WORKING GROUPS

- R – Abrasive belt unit with 55° shores rubberized contact roller, diameter mm 125.
- T – Unit with single row of rotating and oscillating top brushes diameter mm 115.
- B – Cylindrical brush group in scotch brite, diameter mm 150.
- b – External cylindrical brush in scotch brite, diameter mm 150.



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BRUSHES

TOP GREEN BRUSHES



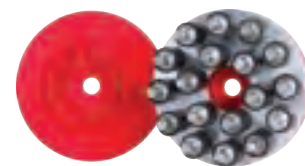
Top brush scotch brite and canvas suitable for rounding edge, available in different grits depending on the required processing

STEEL WIRE BRUSH



Intertwined steel wires top brush for removing oxide on the edges

PIN BRUSH



Top brush with steel pins fixed on flexible bearing suitable for removing burrs after plasma and oxyfuel cutting.

SYNTHETIC TOP BRUSH



Top brush with synthetic abrasive and canvas for rounding edges on wet machines that prevent the penetration of water and therefore the kneading of the canvas

ABRASIVE B BRUSH



Cylindrical brush in abrasive canvas with ceramic grit, which guarantees a very high degree of removal, used in the rotatry group mainly for strong rounding edge even inside the hole

STRIP BRUSH



Strip brush in scotch brite and very flexible abrasive canvas strips for edge rounding, available in different grits and also without scotch brite for an even more aggressive rounding.

SCOTCH BRITE B BRUSH



Cylindrical brush in scotch brite for surface finish. A different result depending on the type of scotch brite.

The top brushes have a quick release system which allows considerable time savings during tools change.

SAMPLES WORKED

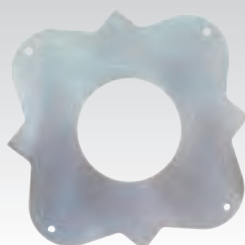
Deburring and rounding with RX



Deburring and finishing with RB



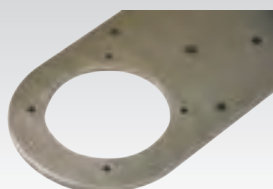
Deburring with R



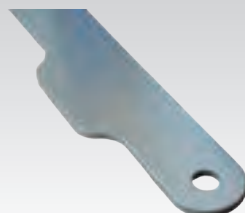
Oxide removal with X group



Deburring and rounding holes



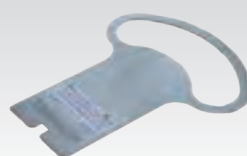
Deburring and rounding with RXX



Rounding R2 with B8 group



Hairline finishing



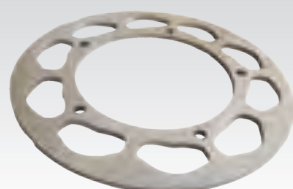
Deburring and rounding with RB8



Satin finish with RBB



Satin finish with R



Scotch brite finishing with B group



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**Can't find your
finishing solution yet?
We'll create it for you.**

Let's discuss how we can help
your business reach new heights.



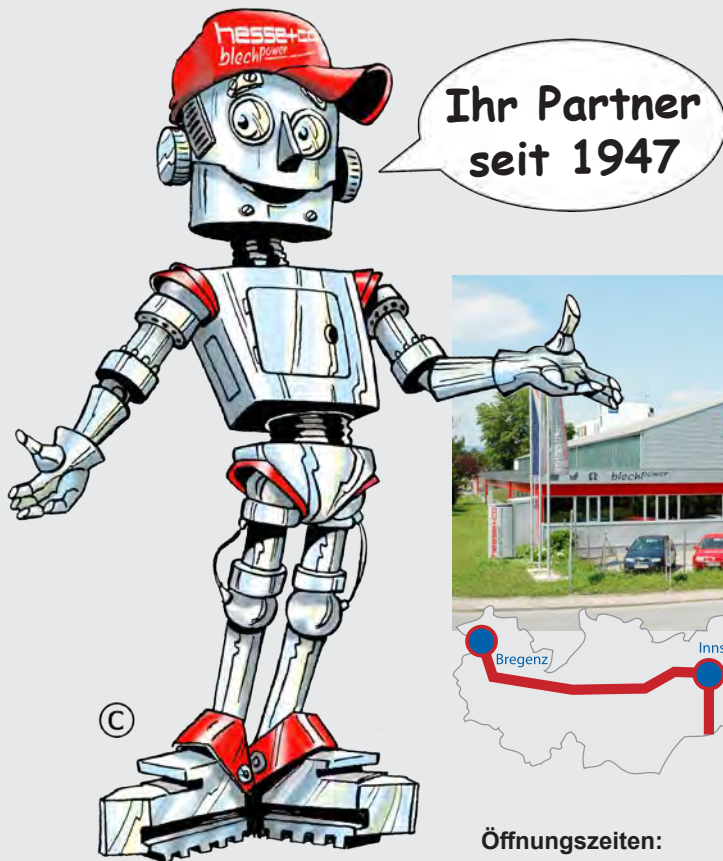
Vertrauen Sie auf über 70 Jahre Erfahrung!

Die Firma HESSE+CO wurde 1947 als Hersteller von Blechbearbeitungsmaschinen gegründet. Seit 1980 sind wir auf den Handel mit neuen sowie gebrauchten Blechbearbeitungs- und Werkzeugmaschinen spezialisiert. Wir haben ständig etwa 300 Maschinen in unserer 2.000 m² großen Ausstellungshalle, die nur 20 Minuten vom internationalen Flughafen Wien entfernt ist.

Trust in more than 70 years of experience!

HESSE+CO was established in 1947 as a manufacturer of sheet metal working machines. Since 1980 we are specialized in dealing with new and second hand sheet metal processing machines and machine tools. We always have approximately 300 machines available in our 2.000 m² showroom, which is located only 20 minutes from the Vienna International Airport, waiting for your inspection.

www.hesse-maschinen.com



Öffnungszeiten:

Mo - Do 8:00 - 16:30 Uhr
Fr 8:00 - 14:30 Uhr

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