

COMPACT TABLETOP CUTTING MACHINE

SERIES CN-205 M

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

This compact tabletop cutting machine of the **Series CN-205** has small outline measures and an outstanding workload area.

All machines have a sturdy welded design made of powder coated steel. Suitable for standard rubber corundum, rubber bonded diamond or CBN cutting wheels.

CN-205 M Handlever cutting machine with fixed table.

CN-205 M2 Handlever cutting machine with cross table

Optional:

- Variable speed
- Collecting basket
- Various clamps upon request
- Cutting wheels



All machines of this type are wearing the CE marking according to EU directive 2006/42/EC.

Characteristics:

- + 1) Big workload area with hood and macrolon window
- + 2) Integrated coolant box, V= 16 l, Pump 10 l/min
- + 3) Handlever with clamping for longitudinal cut
- + 4) Compact control panel with automatic voltage detection 230/380/400/460 V-50/60 Hz
- + 5) Side openings for bar material
- + 6) Corrosion protected aluminium T-slot table W x L = 210 x 210 mm; CN-205 M2 cross table equipped with stainless steel labyrinth

**COMPACT TABLETOP
CUTTING MACHINE**

SERIES CN-205 M



PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

Technical Data

	CN-205 M	CN-205 M2
Main drive	2.04 HP	2.04 HP
Max. dimension cutting wheel	7.87 x 0.11 x 25.4 in	7.87 x 0.11 x 25.4 in
Cutting speed fix	4,300 RPM 142 ft/s	4,300 RPM 142 ft/s
Cutting speed variable*	2,400 – 4,800 RPM 49 – 144 ft/s	2,400 – 4,800 RPM 49 – 144 ft/s
T-Slot table (Width x Depth) 5 T-Slots	8.26 x 8.26 in 0.315 in	8.26 x 8.26 in 0.315 in
Z-Axis – Cutting wheel adjustable by hand lever	7.87 in	7.87 in
X-Axis – Longitudinal table adjustable by hand wheel	–	8.66 in
Y-Axis – Cross table adjustable by hand wheel	–	1.57 in
Max. clamping (Width x Height x Depth)	3.9 x 1.8 x 3.9"	3.9 x 1.8 x 3.9"
Coolant pump	10 l/m	10 l/m
Water box	approx. 4.2 gal	approx. 4.2 gal
Work lamp 24 VDC	LED 5 W	LED 5 W
Machine dimension (hood closed) (Width x Height x Depth)	29.33 x 39.96 x 25.6 mm	29.33 x 39.96 x 25.6 mm
Weight	253 lb	253 lb
Electrical consumption	230/380/400/460 V	230/380/400/460 V

*optional

Cutting Starts Where Sawing Ends

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TABLETOP CUTTING MACHINE SERIES VN-300 M

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

The machines of the **Series VN-300 M** are built with a very big inside space. The machine stand is solid machine design, all machines are completely powder coated. To be used for Corundum-, Rubber-, Diamond- or CBN-cutting wheels.

VN-300 M Hand lever machine with fixed table

VN-300 M2 Hand lever machine with longitudinal- and cross table

Optional:

- For stepless speed control of the cutting wheel
- Laser indicating of cutting line
- Gage screen for small material
- Cross table with scale ring
- Mist filter
- Variety of clamping units
- Cutting wheels



All machines of this type are wearing the CE marking according to EU-directive 2006/42/EG.

Characteristics:

- + 1) Big inside space with swing hood and big window
- + 2) Hand lever can be fixated
- + 3) Side openings for long material
- + 4) Machine control with automatic detection of voltage 230/380/400/460V-50/60 Hz
- + External, mobile water tank with dirt filter, 80l of capacity
- + Alu-table for good corrosion resistance, T-Slots, W = 350 x D = 250 mm; the model VN-300 M2 with cross table and stainless steel labyrinth
- + Main drive 4.0 kW
- + Max. cutting wheel Ø 300 mm

TABLETOP CUTTING MACHINE SERIES VN-300 M

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PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

Technical Data

	VN-300 M	VN-300 M2
Main drive with electronic brake	4.0 kW	4.0 kW
Max. dimension cutting wheel	300 x 2.8 x 32 mm	300 x 2.8 x 32 mm
Circumferential fixed speed	2,865 1/m 45 m/s	2,865 1/m 45 m/s
Circumferential variable speed*	1,590 – 3,200 1/m 25 – 63 m/s	1,590 – 3,200 1/m 25 – 63 m/s
T-Slots Machine table (Width x Depth) 7 T-Slots	350 x 250 mm 14 mm DIN 650	350 x 250 mm 14 mm DIN 650
Z-Axis-cutting wheel shift by hand lever	200 mm	200 mm
X-Axis-longitudinal table of machine shift by servo-axis	-	285 mm
Y-Axis-Longitudinal table of machine shift by hand lever	-	40 mm
Max. material dimension (Width x Height x Depth)	350 x 300 x 350 mm	350 x 300 x 350 mm
Coolant pump	50 l/m	50 l/m
Coolant tank	ca. 80 l	ca. 80 l
Interior lighting 24 VDC	LED 7 W	LED 7 W
Machine dimension with closed hood (Width x Height x Depth)	778 x 1,560 x 850 mm	778 x 1,560 x 850 mm
Weight of machine	225 kg	225 kg
Electrical supply data	4.5 kW / 16 A	4.5 kW / 16 A

*optional

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WET CUTTING MACHINES FOR SMALL AND MEDIUM-SIZED WORKPIECES

SERIE VN-300 A

SILVERCUT®

PRODUCTION AND SPECIAL
PURPOSE CUTTING MACHINES
SINCE 1924

The wet cutting machines in **Series VN-300 A** are characterised by their very large cutting area. All machines are designed in powder-coated welded structure. Suitable for corundum, rubber, diamond and CBN cutting disks.

VN-300 A1

Wet cutting machine for small and medium-sized workpieces with lift top, cutting disk adjustment with hand lever

VN-300 A2

Wet cutting machine for small and medium-sized workpieces with lift top, cutting disk adjustment using servo axis



All the machines in this series are certified with the CE mark in accordance with EC guideline 2006/42EG.

Optional:

- Magnetic filter, or belt magnetic filter unit
- Laser display of the cutting line, infeed and outlet and removal units
- Clamping equipment and side feed opening for long parts
- Base cabinet, stageless speed regulation

Characteristics:

- Low-maintenance, long-life servo drives, stageless regulation
- Clamping table with manual cross travel [Y-axis]
- Fixed table
- Side openings to insert longer workpieces
- Chop, longitudinal and oscillation cut
- Easy operation using touch display, up to 10 programmes storable per cutting mode

**WET CUTTING MACHINES
FOR SMALL AND MEDIUM-SIZED
WORKPIECES**

SERIE VN-300 A

SILVERCUT®

*PRODUCTION AND SPECIAL
PURPOSE CUTTING MACHINES
SINCE 1924*

Technical data

	VN-300 A1	VN-300 A2
Main motor 400 V, 50 Hz, 3-phase rotary current	4.0 kW	4.0 kW
Maximum cutting disk size	300 x 2.5 x 32 mm	300 x 2.5 x 32 mm
Circumferential speed fixed	45 m/s	45 m/s
Circumferential speed variable*	25 – 70 m/s	25 – 70 m/s
Clamping surface table width x depth 7 T-slots	350 x 250 mm 14 mm DIN 650	350 x 250 mm 14 mm DIN 650
Z-axis-cutting disk adjustment	Hand lever 200 mm	Servo axis 200 mm
X-axis-longitudinal machine table adjustment using servo axis	285 mm	285 mm
Y-axis-cross machine table adjustment using hand lever	40 mm	40 mm
Coolant pump	25 l/min	25 l/min
Coolant container	approx. 80 l	approx. 80 l
Interior lighting 24VDC	LED 9 W	LED 9 W
Machine measurements with cover closed width x height x dept	1,000 x 800 x 1,000 mm	1,000 x 800 x 1,000 mm
Weight	280 kg	280 kg
Electrical connections 230/400 V, 50 Hz	4.6 kW / 16 A	4.6 kW / 16 A

*optional

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SEMI-AUTOMATIC OR AUTOMATIC WET CUTTING MACHINE

SERIES MN-350 A

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 192

Semi-automatic or automatic wet cutting machines of the **Series MN-350 A1-A3** are designed with a very sturdy way.



1) Operating interface with joysticks and touch panel for all servo-axes.

2) Mobile water tank with dirt filter, inside machine stand or at side. Optional with magnetic filter.

3) Big inside space with long axes movement. Alu-table for good corrosion resistance.

All machines of this type are wearing the CE marking according to EU directive 2006/42/EC.

MN-350 A1

Hand lever machine with servo driven x-axis and manual y-cross axis. For automatically longitudinal and pulse cutting

MN-350 A2

Fully automated machine with servo driven x-axis and manual y-cross axis and servo driven z-axis decrease. Automatically longitudinal-, puls- and oscillation cutting

MN-350 A3

Additionally with servo driven cross-axis movement [y-axis]

Optional:

- Stepless speed control of the cutting wheel
- Laser indicating of cutting line
- Gage screen for small material
- Magnetic filtration and belt filter, filter bags
- Mist filter
- Variety of clamping units
- Cutting wheels

Characteristics:

- + Sturdy, welded machine design; completely powder coated
- + Swing hood powder coated
- + Main drive 7,5 kW
- + Max. dimension cutting wheel \varnothing 350 mm
- + Continuous axis movement by joy stick
- + All programs are storable
- + All servo-axis with automatic speed control
- + Chop cut, longitudinal cut
- + Side opening for long material
- + Pneumatic hand lever for fixing the seesaw position
- + Hand lever with push button to fix the seesaw position for longitudinal cutting

SEMI-AUTOMATIC OR AUTOMATIC WET CUTTING MACHINE

SERIES MN-350 A

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 192

Technical Data

	MN-350 A1	MN-350 A2	MN-350 A3
Main drive 400 V, 50 Hz, 3 Phases current	7.5 kW	7.5 kW	7.5 kW
Max. dimension cutting wheel	350 x 3.0 x 32 mm	350 x 3.0 x 32 mm	350 x 3.0 x 32 mm
Circumferential fixed speed	45 m/s	45 m/s	45 m/s
Circumferential variable speed*	25 - 63 m/s	25 - 63 m/s	25 - 63 m/s
Machine table [Width x Depth] 6 T-Slots	400 x 400 mm 14 mm DIN 650	400 x 400 mm 14 mm DIN 650	400 x 400 mm 14 mm DIN 650
Z-Axis-Cutting wheel Shift by hand lever Shift by servo-axis	255 mm	255 mm	255 mm
X-Axis longitudinal table of machine Shift by servo-axis	400 mm	400 mm	400 mm
Y-Axis-cross table of machine Shift by hand lever Shift by servo-axis	100 mm	100 mm	100 mm
Feed speed	0.01 - 9.9 mm/s	0.01 - 9.9 mm/s	0.01 - 9.9 mm/s
Rapid speed	85 mm/s	85 mm/s	85 mm/s
Coolant pump	60 l/min	60 l/min	60 l/min
Coolant tank	ca. 100 l	ca. 100 l	ca. 100 l
Interior lighting 24 VDC	24 V - LED 7 W	24 V - LED 7 W	24 V - LED 7 W
Machine dimension (with operating display) (Width x Height x Depth)	820 x 1,810 x 1,560 mm	820 x 1,810 x 1,560 mm	820 x 1,810 x 1,560 mm
Weight	650 kg	650 kg	680 kg
Electrical supply data	9.5 kW / 32 A	9.5 kW / 32 A	9.5 kW / 32 A

*optional

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TEST CUT PARTING MACHINE SERIES MN-350 A1

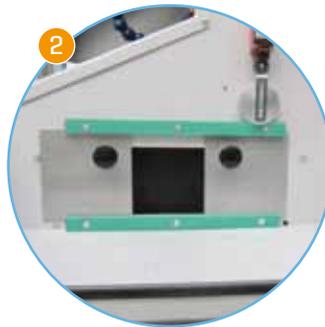
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PRODUCTION AND SPECIAL
PURPOSE CUTTING MACHINES
SINCE 1924

The **MN-350 A1** test parting machines are designed for cutting hardened or partially hardened workpieces. The process is carried out either by manual feed or partially or fully automated. Chop and cut function.

Optional:

- Infinitely variable speed control
- Laser device
- Collection basket for small parts
- Band or magnetic filter, filter bag holder
- Centrifugal separator
- Different clamping devices
- Cutting discs



- 1] Special clamping device
2] Lateral passage left or right

All machines in this series are certified with the CE mark in accordance with EC Directive 2006 / 42EG.



Characteristics:

- + Control panel with touch display and joystick for all servo axes
- + Fixed table with T-slots
- + Wet parting mechanism, Special clamping device
- + Swiveling worktable
- + Laser for positioning the table to the cutting wheel
- + Lateral feedthroughs left and right
- + Automatic crop cut and pulse cut function
- + Integrated coolant tank V = 100 l pump 60 l / min
- + Drive power 7.5 kW
- + Max. Cutting discs Ø 350 mm

TEST CUT PARTING MACHINE SERIES MN-350 A1

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PRODUCTION AND SPECIAL
PURPOSE CUTTING MACHINES
SINCE 1924

Technical data

		MN-350 A1
Main motor 400 V, 50 Hz, 3-phase		7.5 kW
Cutting disc size min.	max.	250 x 2.0 x 32 mm 350 x 3.5 x 32 mm
Peripheral speed		-
Peripheral speed variable *		25 - 75 m/s
Tool table	Width with cross table Depth 5 T-slots	450 mm 400 mm 14 mm DIN 650
Height middle cutting disc over table		420 mm
Cutting disc height adjustment via servo drive		320 mm
Fixed table with special clamping device		-
Table transverse travel manually with handwheel		-
Rate of feed		0.03 - 6 mm/s
Lowest speed		0.03 mm/s
Greatest speed - rapid traverse		85 mm/s
Coolant Pump		60 l/min
Coolant Tank		about 100 l
Interior lighting - 24 VDC		LED 7W
Dimensions of machine without installation elements*		Height Width Depth
		1810 mm 1284 mm 1560 mm
Weight		620 kg
Connected load 230/400 V, 50 Hz		8 kW / 32 A

*optional

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The machines of the **Series MN-350 M** are built with a big inside space.



MN-350 M Hand lever machine with longitudinal shift [X-axis]

MN-350 M2 Hand lever machine, with manual shifting by hand wheel of Y-axis and X-axis. Chop- and longitudinal cutting possible

Optional:

- Laser indicating of cutting line
- Gage screen for small material
- Magnetic filtration or belt filter
- Cutting wheel shift by hand wheel
- Centrifugal separator
- Variety of clamping units
- Cutting wheels

1) With side openings for long material

2) Mobile water tank with dirt filter

3) Big inside space with long axes movement. Alu-table for good corrosion resistance.

All machines of this type are wearing the CE marking according to EU directive 2006/42/EC.

Characteristics:

- + Sturdy, welded machine design
- + Max. dimension cutting wheel Ø 350 mm
- + Chop- and longitudinal cutting possible
- + Machine completely powder coated
- + Table with longitudinal X-axis movement
- + Side openings for long material
- + Main drive 7,5 kW

Technical Data

	MN-350 M	MN-350 M2
Main drive 400V, 50Hz, 3 Phase a.c. motor	7.5 kW	7.5 kW
Max. dimension cutting wheel	350 x 3.0 x 32 mm	350 x 3.0 x 32 mm
Circumferential fixed speed	45 m/s	45 m/s
Circumferential variable speed	15 – 70 m/s	15 – 70 m/s
Table, 5 T-Slots	Width x Depth	
	400 x 400 mm 14 mm DIN 650	400 x 400 mm 14 mm DIN 650
Z- Axis-cutting wheel Shift by hand lever	255 mm	255 mm
X- Axis-cutting wheel Shift by hand wheel	Fixed table	400 mm
Y- Axis-cutting wheel Shift by hand wheel	Fixed table	100 mm
Feed speed	0.01 – 9.9 mm/s	0.03 – 9.9 mm/s
Rapid speed	85 mm/s	85 mm/s
Coolant pump	64 l/min	64 l/min
Coolant tank	ca. 115 l	ca. 115 l
Interior lighting 24VDC	24 V – LED 9 W	24 V – LED 7 W
Machine dimension (Width x Height x Depth)	820 x 1,810 x 1,560 mm	820 x 1,810 x 1,560 mm
Weight of machine	650 kg	680 kg
Electrical supply data	9.5 kW / 32 A	9.5 kW / 32 A

*optional

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SEMI-AUTOMATIC OR AUTOMATIC WET-CUTTING-MACHINE

SERIES MN-400 A

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

Semiautomatic or full-automatic Wet-Cutting-Machine. The **Series MN-400 A1-A3** is characterized by a stable construction.



1] Control panel with touch Display and joysticks for all servo-axes.

2] Mobile water tank with integrated screen for coarse dirt, inside or at side of the machine

3] Big inside space with extremely long movement of the table and of the cutting wheel.

All machines of this type are wearing the CE marking according to EG directive 2006/42EG.

MN-400 A1

Hand-lever machine with cross table [longitudinal: servo-controlled; cross: manual] Automatically longitudinal and puls cutting.

MN-400 A2

Full-automatic machine with servo controlled longitudinal and lowering of cutting wheel; manual cross movement. Automatically longitudinal, chop cut; pulse cut and oscillation cut.

MN-400 A3

Additional with servo driven cross table movement.

Optional:

- Stepless speed control of the cutting wheel
- Laser indicating of the cutting line
- Gage screen for small parts
- Belt filter and magnetic filter, filter bags
- Side movement with scale wheel
- Mist filter
- Variety of clamping units
- Cutting wheels

Characteristics:

- Sturdy, welded machine design
- Machine completely powder coated
- Main drive 10 kW
- Max. dimension cutting wheel - Ø 400 mm
- Movement of axes stepless by joystick
- Storable cutting programs
- All servo-axes with full-automatic speed control
- With side openings for long material
- Pneumatic clamping while longitudinal cut
- Hand lever with push button, to fix the seesaw position for longitudinal cutting

SEMI-AUTOMATIC OR AUTOMATIC WET-CUTTING-MACHINE

SERIES MN-400 A

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PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

Technical Dates

	MN-400 A1	MN-400 A2	MN-400 A3
Main drive 400 V, 50 Hz, 3 Phase a.c. Motor	10 kW	10 kW	10 kW
Max. dimension cutting wheel	400 x 4.0 x 32 mm	400 x 4.0 x 32 mm	400 x 4.0 x 32 mm
Circumferential fixed speed	45 m/s	45 m/s	45 m/s
Circumferential variable speed*	25 - 63 m/s	25 - 63 m/s	25 - 63 m/s
Machine table Width x Depth 6 T-Nuts	450 x 400 mm 14 mm DIN 650	450 x 400 mm 14 mm DIN 650	450 x 400 mm 14 mm DIN 650
Z- Axis - cutting wheel Shift by hand lever Shift by servo-axis	250 mm	250 mm	250 mm
X- Axis longitudinal table of the machine Shift by servo-axis	430 mm	430 mm	430 mm
Y- Axis - longitudinal table of the machine Shift by hand lever Shift by servo-axis	100 mm	100 mm	100 mm
Feed speed	0.01 - 9.9 mm/s	0.01 - 9.9 mm/s	0.01 - 9.9 mm/s
Rapid feed	85 mm/s	85 mm/s	85 mm/s
Coolant pump	60 l/min.	60 l/min.	60 l/min.
Coolant tank	approx. 115 l	approx. 115 l	approx. 120 l
Interior lighting 24VDC	24 V - LED 7 W	24 V - LED 7 W	24 V - LED 7 W
Machine dimension (with operating display) (Width x Height x Depth)	975 x 1,850 x 1,750 mm	975 x 1,850 x 1,750 mm	975 x 1,850 x 1,750 mm
Weight	950 kg	950 kg	980 kg
Electrical supply data	11.5 kW / 32 A	11.5 kW / 32 A	11.5 kW / 32 A

*optional

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SEMI- OR FULL-AUTOMATIC WET-CUTTING-MACHINE

SERIES CN-432 A

FOR EXTREME
CUTTING
JOBS

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

Semi- or full-automatic Wet-Cutting-Machine. The **Series CN-432 A1-A3** is able to fulfill extreme cutting tasks owed to its huge motor capacity.



CN-432 A1

Hand-lever machine with cross table [longitudinal: servocontrolled; cross: manual] Automatic longitudinal and pulsed cutting.

CN-432 A2

Automatic machine with servo-controlled longitudinal and cutting wheel movement; manual cross movement Automatic: chop cut, pulse cut, oscillation cut.

CN-432 A3

Additional with servo-controlled Y axis [cross movement].

Optional:

- For stepless speed control of the cutting wheel
- Laser indicating of the cutting line
- Gage screen for small material
- Magnetic filter and belt filter, filter bags
- Different clamps
- Cutting wheels

1) Big inside space with long axes movement. Alu-table for good corrosion resistance.

2) Operating interface with joysticks and touch-screen-panel for all servo-axes. Clearly arranged operating soft touch with preselection of the cutting program.

All machines of this type are wearing the CE marking according to EU-directive 2006/42/EG.

Characteristics:

- + Sturdy, welded machine design; completely powder coated
- + Swing hood powder coated
- + Main drive 18,5 kW
- + Max. dimension cutting wheel \varnothing 432 mm
- + Continuous axis movement by joystick
- + All programs are storable
- + All servo-axis with automatic speed control
- + With side openings for long material
- + Mobile water tank with integrated screen for coarse dirt, inside or at side of the machine
- + Hand lever with push button, to fix the seesaw position for longitudinal cutting
- + Cutting longitudinal 625 mm
- + With option magnetic filter - water tank left

SEMI- OR FULL-AUTOMATIC
WET-CUTTING-MACHINE

SERIES CN-432 A

FOR EXTREME
CUTTING
JOBS

SILVERCUT®

PRODUCTION AND
SPECIAL PURPOSE CUTTING MACHINES
SINCE 1924

Technical Dates

	CN-432 A1	CN-432 A2	CN-432 A3
Main drive 400 V, 50 Hz, 3 Phase a.c. Motor	18.5 kW	18.5 kW	18.5 kW
Max. dimension cutting wheel	432 x 3.5 x 32 mm	432 x 3.5 x 32 mm	432 x 3.5 x 32 mm
Circumferential fixed speed	45 m/s	45 m/s	45 m/s
Circumferential variable speed*	25 – 70 m/s	25 – 70 m/s	25 – 70 m/s
Machine table (Width x Depth) 5 T-Nuts	480 x 450 mm 14 mm DIN 650	480 x 450 mm 14 mm DIN 650	480 x 450 mm 14 mm DIN 650
Z- Axis – cutting wheel	hand lever 300 mm	servo-axis 300 mm	servo-axis 300 mm
X- Axis longitudinal table of the machine	servo-axis 625 mm	servo-axis 625 mm	servo-axis 625 mm
Y- Axis - longitudinal table of the machine	hand lever 120 mm	hand lever 120 mm	hand lever 120 mm
Feed speed	0.01 – 9.9 mm/s	0.01 – 9.9 mm/s	0,01 – 9.9 mm/s
Rapid feed	85 mm/s	85 mm/s	85 mm/s
Max. material dimension (Width x Height x Depth)	800 x 250 x 450 mm	800 x 250 x 450 mm	800 x 250 x 450 mm
Coolant pump	64 l/m	64 l/m	64 l/m
Coolant tank	approx. 150 l	approx. 150 l	approx. 150 l
Interior lighting 24VDC	24 V – LED 11 W	24 V – LED 11 W	24 V – LED 11 W
Machine dimension (with operating display) (Width x Height x Depth)	2,030 x 1,880 x 1,750 mm	2030 x 1,880 x 1,750 mm	2,030 x 1,880 x 1,750 mm
Weight	1,150 kg	1,180 kg	1,180 kg
Electrical supply data	22 kW / 64 A	22 kW / 64 A	22 kW / 64 A

*optional

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