

TRENNJAEGER MILLS

SINGLE-HEAD MILLS

Series P

HIGHLIGHTS

- 4 axes
- Processing of up to 5 sides of a profile



TECHNICAL DATA AT A GLANCE

Machine type	 U/min.	 mm	 kW	 kg
P 104/104 P	20.000	3.200 x 225 x 260 3.200 x 280 x 260	8,0	1.800
P 107	20.000	7.010 x 225 x 260	8,0	2.800
P 307	24.000	7.100 x 600 x 300	15,0	5.200
P 527	24.000	7.100 x 600 x 300	18,0	5.200

Further information on the machine series and numerous accessories can be found on our website:
www.wagner-maschinen.de/en/trennjaeger-saws/trennjaeger-milling-machines

SINGLE-HEAD MILLS P 104 / P 104 P / P 107 / P 307 / P 527



ALL HIGHLIGHTS AT A GLANCE

- Processing of profiles with up to 2 mm thickness
- Work capacity with a single pneumatic stop is 3,200 mm (P 104 / P 104 P) / 7,010 mm (P 107) – this length can be doubled by installing a second stop (optional).
- The milling head of the head is mounted on a 4. digital axis, which enables you to work in all angles between 0° and 180° of a profile.
- Tool magazine with 8 stations
- This bench is equipped with 4 vices with low space requirement
- Large workspace in a small machine

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P 104 / P 104 P / P 107

TECHNICAL DATA

Running of the axis

- Head rotation: -90° to + 90°

Positioning speed

- X-axis: 50 m/min
- Y-axis: 50 m/min
- Z-axis: 15 / 20 / 15 m/min
- Head rotation: 7,200 °/min

Processable surfaces

- With straight tools (top and on the sides): 3
- With blade tools (top, sides and ends): 1 + 2 + 2

Milling head

- Power: 5.0 kW

- Tool type: HSK 50F
(max. milling device Ø 20 / 16 / 20 mm)

Work area

- Number of vices: 4 as a standard
(maximum possible 6 / 6 / 12 vices in total)
- Positioning of the vices: automatic

General

- Total power: 8.0 kW
- Weight of the bench: 1,800 / 1,800 / 2,800 kg
- Dimensions (LxWxH):
4,350 x 1,750 x 2,140 / 5,500 x 1,950 x 2,300 /
8,100 x 1,750 x 2,140 mm

STANDARD EQUIPMENT

- Fully covered machine with automatic glass protective door on the front side of the machine
- Top full cover (roof) in P 104 P
- Tool magazine for 8 tools
- Automatic tool change
- 4 / 4 / 8 pneumatic vices with automatic positioning for an optimal clamping of the profile
- Set of vices with opening, L=280 mm (P 104 P)
- Vice stop with height adjustment (P 104 P)
- Retractable reference stop on the left side
- Set with 2 side tunnels (P 104 P)
- Tool length measuring instrument (P 104 P)
- Standard PC keyboard and mouse and 19-inch colour LCD display
- Automatic lubrication system with 2 nozzles
- Axis management: digital control by PLC

- Guide of the X- and Y-axis: Brushless motor on Z-axis guide: Brushless motor with auger brake, ball bearings and hardened slides
- Digitalised rotating head: Rotating brushless motor with highly precise bearings P-CAM BASE software:
- Modelling of the workpiece from a DXF file
- Perspective graphic representation of the profile
- Integration of standard processing macros (bore, pocket, light, keyhole)
- Programming of the tool table
- Management of the parametric values of the processing macros
- Set with 5 HSK 50F tool holders
- Set of 5 grippers DIN 6499
- Set with 5 tools: 4 milling devices (Ø 4, 5, 6, 8 und 10 mm)

SPECIAL EQUIPMENT P 104 / P 104 P / P 107

- Second tool magazine for 8 further tools
- 2 additional vices and independent positioning
- Possible retractable reference stop of 1 stop on the right side

DETAILBILD



Horizontal clamping system



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We reserve the right to make design changes in the course of technical improvements. Illustrations, dimensions and weights are not bin

P 307

TECHNICAL DATA

Running of the axis:

- Head rotation: -90° to + 90°

Positioning speed:

- X-axis: 80 m/min
- Y-axis: 50 m/min
- Z-axis: 30 m/min
- Head rotation: 9,000 °/min

Processable surfaces:

- With straight tools (top and on the sides): 3
- With blade tools (top, sides and ends): 1 + 2 + 2

Milling head:

- Power: 8,5 kW
- Maximum speed: 24,000 rpm
- Tool type: HSK 63F (max. milling device Ø 20 mm)

Work area:

- Number of vices: 8 in standard (maximum possible 12 vices in total)
- Positioning of the vices: automatic
- Dimensions (LxWxH) 11,260 x 3,129 x 2,680 mm

STANDARD EQUIPMENT

- Entirely clad cabin with glazing on the front side of the machine, mesh enclosure and detection cell in order to prevent a penetration into the work area.
- Tool magazine for 10 tools, which is placed in the machine cabin and protected by a retractable cover (with the option to use a blade with the maximum Ø 180 mm).
- Automatic tool change
- 8 pneumatic vices for an optimal clamping of the profile
- Retractable reference stop left and right
- Standard PC keyboard and mouse and 19-inch colour LCD display
- Automatic lubrication system
- Axis management: digital control by PLC

- X-axis guide: Brushless motor on a toothed rack with highly precise helical teeth, ball bearings and hardened slides
- Y- and Z-axis guide: Brushless motor with auger brake, ball bearings and hardened slides
- Digitalised rotating head: Rotating brushless motor with highly precise bearings

P-CAM software

- Set with 5 HSK 63F tool holders
- Set of 5 grippers DIN 6499
- Set with 5 tools:
- 5 milling devices (Ø 4, 5, 6, 8 und 10 mm).
- Complete protective barriers (grid and light curtain)

SPECIAL EQUIPMENT

- Tool magazine – 6 additional slots can be added
- 4 additional vices
- Possibility of 2 additional stops in the middle

DETAIL PICTURES



Horizontal clamping system



Drilling unit

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P 527

TECHNICAL DATA P 527

Running of the axis:

- Head rotation: -90° to + 90°
- Swivelling and head rotation: +/- 320°

Positioning speed:

- X-axis: 100 m/min
- Y-axis: 50 m/min
- Z-axis: 30 m/min
- Head rotation: 6,100 °/min

Processable surfaces:

- With straight tools (top and on the sides): 5 With

blade tools (top, sides and ends): 5

Milling head:

- Power: 8.5 kW
- Tool type: HSK 63F (max. milling device Ø 20 mm)

Work area:

- Number of vices: 4 in standard (maximum possible 12 vices in total)
- Positioning of the vices: automatic
- Dimensions (LxWxH) 11,790 x 3,120 x 2,900 mm

STANDARD EQUIPMENT P 527

- Entirely clad cabin with glazing on the front side of the machine, mesh enclosure and detection cell in order to prevent a penetration into the work area.
- Tool magazine for 10 tools, which is placed in the machine cabin and protected by a retractable cover (with the option to use a blade with the maximum Ø 180 mm).
- Automatic tool change
- 8 pneumatic vices for an optimal clamping of the profile
- 2 retractable reference stops , 1 left and 1 right
- Standard PC keyboard and mouse and 19-inch colour LCD display
- Automatic lubrication system
- Axis management: digital control by PLC
- X-axis guide: Brushless motor on a toothed rack with highly precise helical teeth, ball bearings and

hardened slides Y- and Z-axis guide: Brushless motor with auger brake, ball bearings and hardened slides

- Digitalised rotating head: Rotating brushless motor with highly precise bearings

P-CAM software:

- Modelling of the workpiece from a DXF file
- Perspective graphic representation of the profile
- Integration of standard processing macros (bore, pocket, light, keyhole)
- Programming of the tool table
- Management of the parametric values of the processing macros
- Complete protective barriers (grid and light curtain)

SPECIAL EQUIPMENT P 527

- Tool magazine – 6 additional slots can be added
- Saw blade Ø 450 mm with special magazine
- Vertical or horizontal saw blade with Ø 500 mm for cutting material at an angle of 90°
- 4 additional vices
- Possibility of 2 additional stops in the middle

DETAIL PICTURE



drilling unit



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