



GOEDICKE
WERKZEUGMASCHINEN



Goedicke Werkzeugmaschinenhandels GmbH

Heinz-Nixdorf-Str. 2
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Planer Type Milling Machine - Universal

Stock number **7-39559**
Make **WALDRICH SIEGEN**
Model **POWERTEC 4000 AP**

Control **CNC controls SIEMENS 840 C**

Year of construction **1996**

basic design

basic design

portal type

Working Range -milling-

x-axis travel	14000 mm
y-axis travel	5000 mm
z-axis travel	1500 mm
w-axis travel	2500 mm

Portal / Bridge

Passage height	4500 mm
distance between columns	4000 mm

Table

clamping surface (left-right)	9000 mm
clamping surface (front-back)	3000 mm
workpiece load (max)	100000 kg

working spindle / head

spindle type	vertical
spindle revolutions (min)	2 /min
spindle revolutions (max)	2500 /min
number of gears	2
spindle diameter	200 mm
taper fixture	ISO SK 50
drive power (max)	113 kW
spindle power (continuous)	106 kW
torque (max.)	9500 Nm

Axis drives





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feed rate x (min)	1 mm/ min
feed rate x (max)	10000 mm/ min
feed rate y (min)	1 mm/ min
feed rate y (max)	10000 mm/ min
feed rate z (min)	1 mm/ min
feed rate z (max)	10000 mm/ min
feed velocity w (min)	1 mm/ min
feed velocity w (max)	2000 mm/ min
rapid traverse x	20000 mm/ min
rapid traverse y	20000 mm/ min
rapid traverse z	20000 mm/ min
rapid traverse w	2000 mm/ min

Electrical specifications

mains voltage	400 V
mains frequency	50 Hz

Dimensions / weights

height above floor level	8590 mm
total weight approx.	360000 kg

attachments

angular milling head	yes
autom. tool clamping	yes
ball spindles	yes
guideway covers	yes
coolant unit	yes
high pressure cooling syst. (through spindle)	yes
closed cabin	yes
chip conveyor	yes

Description of condition



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In 2011/2012 these 2 identical machines were retrofitted and rebuilt by WALDRICH COBURG.

The milling length was extended to 14meters and an automatic changing system for table pallets was installed.

Both machines can be seen under power by prior appointment.

VIDEO: <https://youtu.be/1QQV0A5vzf0>

Technical description

PLANER TYPE MACHINING CENTER – EACH WITH 3 PALLETS 9000 x 3000 mm:

- Tool changer with 420 tools
- Head pick-up system
- Video monitoring via camera
- High pressure lubrication unit for inner cooling 70bar

AVAILABLE HEAD UNITS:

- Fixed angle head HS800C600 105 Kw 600 long
- Fixed angle head HSD350C850 50 Kw 850 long
- Fixed angle head HSD 40C880 12 Kw 880 long
- Fixed angle head HSD 190C1000 30 Kw 1000 long
- Vertical spindle unit VS800C 105 Kw 900 long
- Universal spindle unit USIO40C 20 Kw B-axis rotatable at 1° at a time
- Angle spindle unit SO800C905 - 22,5° fix
- Angle spindle unit HSE1200CS -25° fix
- Universal spindle unit (fork milling) USP475C 75 Kw 1/2° Hirth

One additional drilling extension SE 350C plus 1 SE500C.



Data / Pictures

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