**Goedicke Werkzeugmaschinenhandels GmbH**
Heinz-Nixdorf-Str. 2
D-74172 Neckarsulm
+49-(0)7132–999 360

info@goedicke.com
www.goedicke.com

# 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:

**Data / Pictures**
Get technical data and pictures via WhatsApp now!

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