

CNC profile grinder with traveling column FMG-B1640

Model	FMG-B1640
Brand	<u>CHEVALIER</u>
Condition	new
Table	1000 x 400 mm
Origin	Taiwan

⌚ approx. 6 months from order

€ 197.430,00

Leasing*: € 3.731,43



General characteristics

Grinding length	1010 mm
Distance spindle - table	590 mm
Table	1000 x 400 mm
Magnetic table	1000 x 400 mm
Table speed	0 - 25 m/min
Cross feed	0 - 4000 m/min
Max. cross feed	450 mm
Automatic vertical feed	450 mm
Vertical feed	0 - 3800 mm/min
Vertical feed incremental	0.001 mm
Spindle revs	600 - 3600 rpm
Spindle motor	11 kW
Max. workpiece weight on magnetic table	423 kg
Max. workpiece weight on t-slot table	670 kg
Grinding wheel dimensions	405 x 50 x 127 mm
Servo-axis motors Y/Z	2,4 / 3,9
Servo-axis motor X	5.9 kW

Dimensions and weight

Length	3675 mm
Width	4055 mm
Height	2480 mm
Weight	6500 kg

Description

Rigid machine construction with a movable column

for effective stability to ensure high grinding performance and machining accuracy

Smart iControlIV control with 15" touchscreen with electronic wired handwheel

PC-based control with graphical dialog programming or G-code programming

Infinitely variable speed

Surface grinding cycle, cross grinding cycle, plunge grinding cycle, multi-groove grinding cycle, contour grinding cycle, dressing cycle

Spindle with 6 angular contact ball bearings (4 front and 2 rear)

All 3 axes with precision ball screws and AC servo motors

A balancing system is attached to the spindle housing to reduce stress on the machine structure

Full enclosure with lighting

Electromagnetic chuck

Coolant system 300 l/min with drum paper filter and magnetic separator

Driven wheel dressing device mounted on the table, 1.7 kW, with double support, width 200 mm, diameter 35 or 52 mm

Grinding wheel

Grinding wheel flange

Grinding wheel balancing scale

Heat exchanger for the control cabinet

Machine and equipment compliant with CE regulations

Operating instructions in GERMAN or ENGLISH

Accuracy standard ISO 1986-1

Options (prices on request):

Linear encoders for Y and Z axes

Oil mist collector

Further information

Brochures

- **Prospekt CNC Profilschleifmaschine Chevalier FMG mit fahrendem Ständer**

- [Vergleichstabelle Chevalier FMG-B1224 vs. SMART-B1224IV](#)

Product video

- [kqvg3rmwj1u.youtube](https://www.youtube.com/watch?v=kqvg3rmwj1u)

Notice

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Price changes and errors excepted.

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