

CNC Machining Center BAZ 875 IQ



* Note: The actual protective hood differs from the one shown in the picture to conform with the CE requirements.

Equipment

Travelling distance / Positioning speed

- X axis: 3,500 mm - 80 m/min
- Y axis: 1,500 mm - 80 m/min
- Z axis: 250 mm - 18 m/min, 2 separate Z axes for drilling and routing spindle
- C axis for housing further aggregates (option)
- Servo motors in X (4.4 kW), Y (1.8 kW), Z (1.8 kW)
- Ball screw spindle (Z), rack and pinion drive (X+Y)

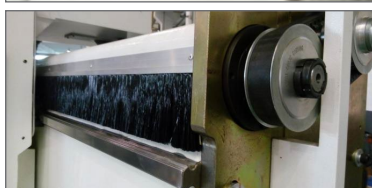
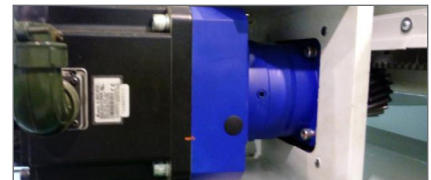


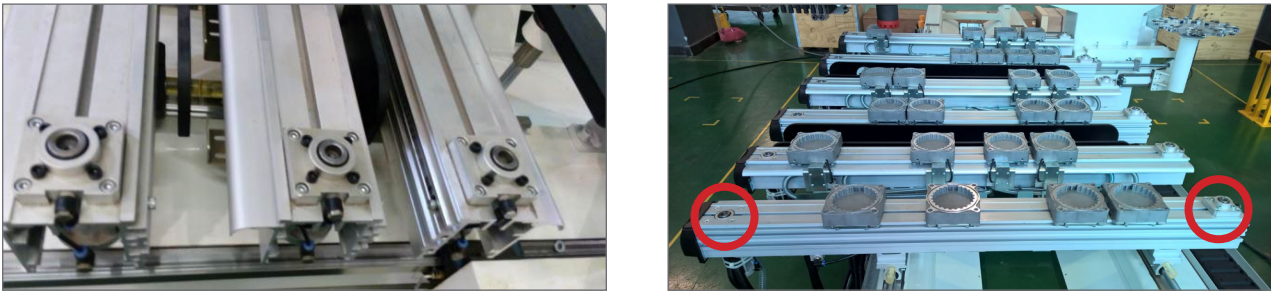
Table configuration

- 6 aluminum benches (4 benches with panel lifting device, 1,250 mm long)
- Integrated chip conveyor
- Hold down device for narrow pieces
- LED system positioning (optional)



Stop system

- 6 stops in the back, movable with the bench
- 6 stops in the front/center, movable with the bench
- 4 side stops (2 + 2) movable along the Y axis



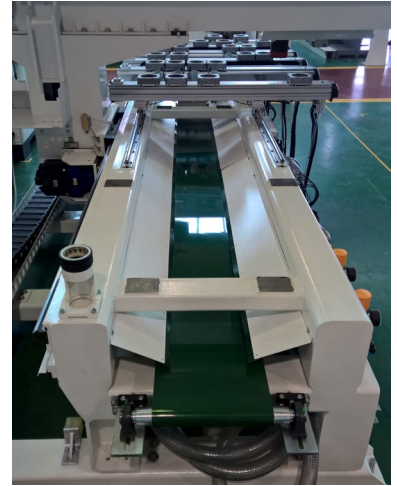
Suction cups

- Pods 50 mm high - total 18 pods:
 - 12 pods (140 x 115 mm)
 - 6 pods (125 x 75 mm)



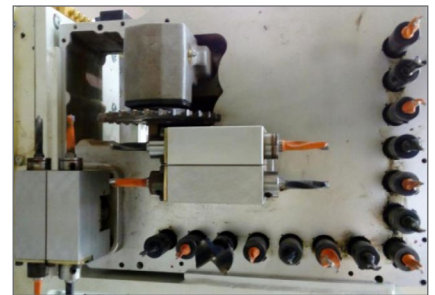
Chip conveyor

- Integrated into the frame



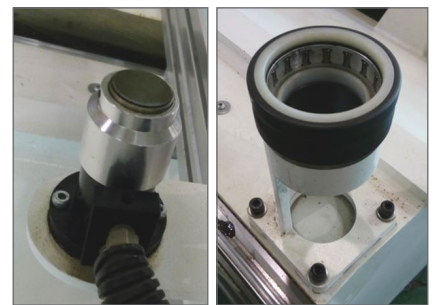
Drilling block configuration

- 14 individually selectable vertical spindles (8 in X axis / 6 in Y axis, 32 mm grid):
 - Ø 8 mm x 3 pcs.
 - Ø 10 mm x 5 pcs.
 - Ø 5 mm x 4 pcs.
 - Ø 15 mm x 1 pcs.
 - Ø 35 mm x 1 pcs.
- 8 horizontal drilling spindles Ø 8 mm (2 + 2 in X direction, 2 + 2 in Y direction)
- Integrated grooving saw 1.7 kW, 4,000 rpm (inner Ø sawblade 35 mm, max. Ø 120 mm x 5.5 mm)
- Individually digitally driven Z axis



8 position servo driven tool changer

- HSK 63 F tool interface
- HSD spindle, 9 kW, 18,000/24,000 rpm
- Touch probe for automatic tool length measurement
- digital AC servo motors - designed for the mounting of various equipment options
- Safety fence at the sides and the backside of the machine



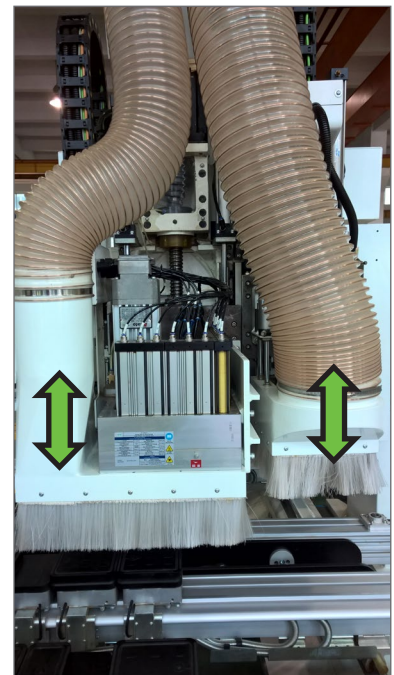
Digital drive system from OSAI

- Independent electric cabinet with air condition
- IPC with Windows operating system
- DELL display
- USB port



Dust extraction

- 2 individual hoses for drilling unit and spindle
- Hose diameter: 250 mm
- 1 outlet
- Required suction speed: 28 m/s



Central lubrication system

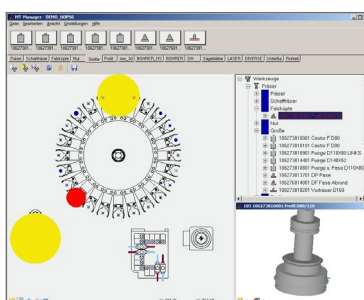
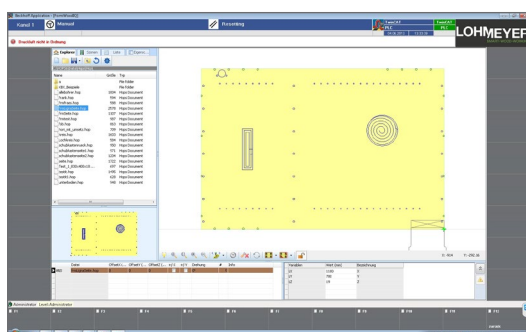
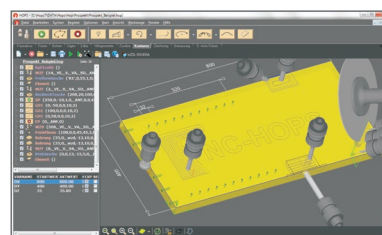
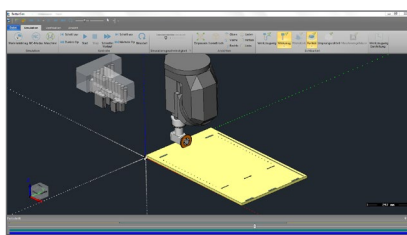
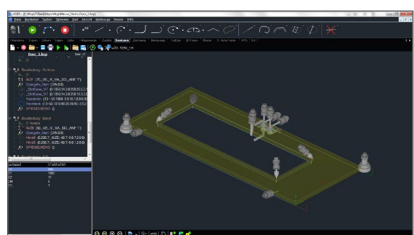


Vacuum pump

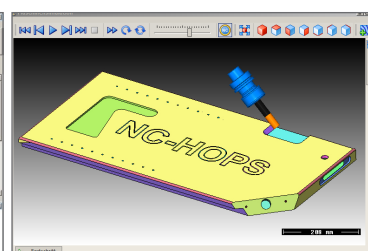
- 5.5 kW, 140 m³/h



NC-Hops for a shop floor oriented programming



NC-HOPS MT Manager

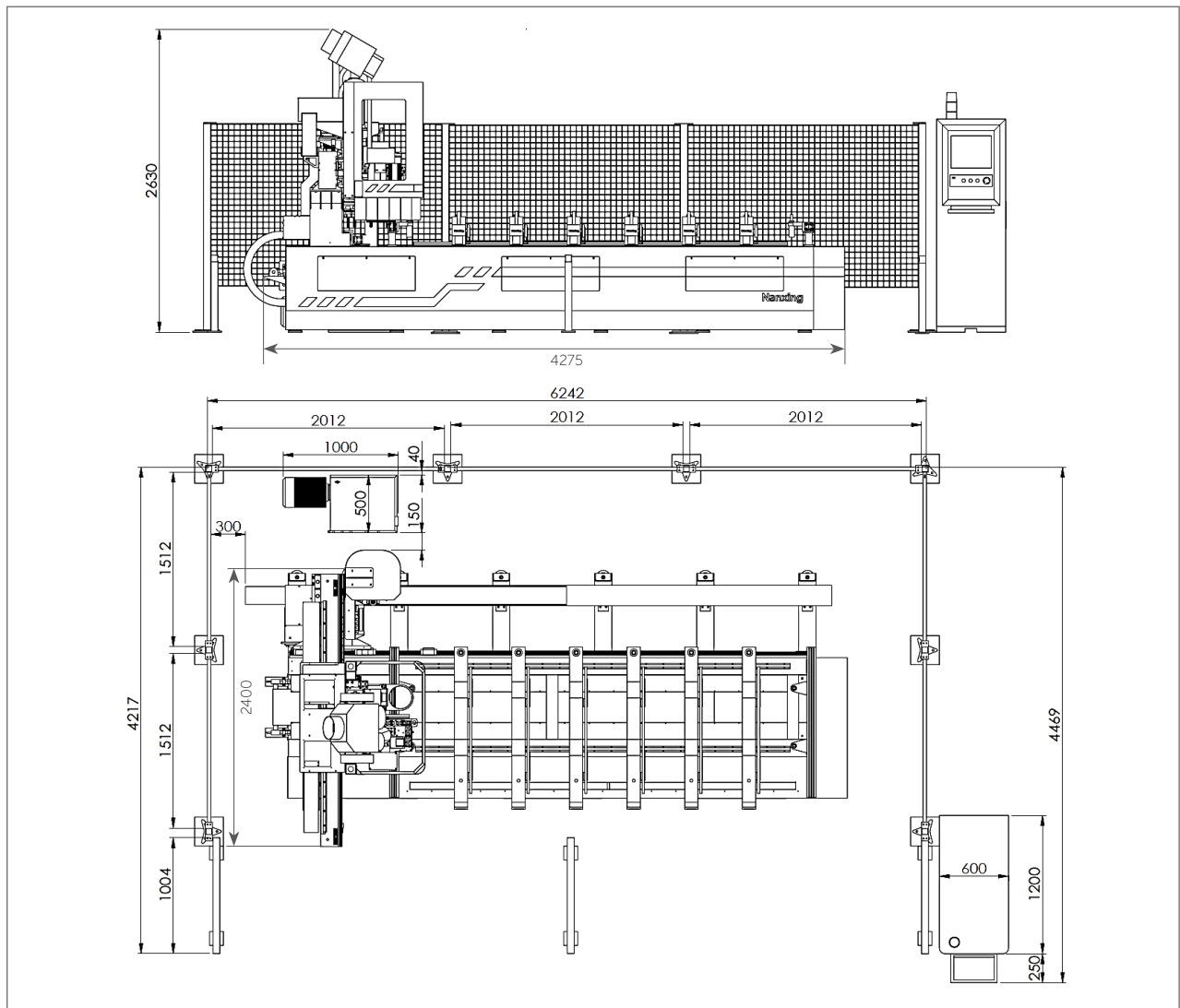


NC-HOPS SIMU

Technical Data

Working distance	X axis	3,500 mm
	Y axis	1,500 mm
	Z axis	250 mm
Working table		6 movable benches with 3 suction cups each
Max. working height		55 mm
Max. traveling speed	X axis	80 m/min
	Y axis	80 m/min
	Z axis	18 m/min
Main routing spindle	no. of main spindle	1
	main spindle speed	24,000 rpm
	power	9 kW
	tool coupling device	HSK-63F
	no. of tools	8
Drilling block	coupler size	Ø 6-20 mm
	no. of vertical drills	14 (8 in X, 6 in Y)
	no. of horizontal drills	8 (2 + 2 in X, 2 + 2 in Y)
	power (grooving saw)	1.7 kW
	rotating speed (grooving saw)	4,000 rpm
	saw blade inner diameter	35 mm
Vacuum pump	max. saw blade diameter	120 mm
	power	5.5 kW
	suction flow rate	140 m ³ /h
Air pressure	suction pressure	0.8 kg/cm ²
	pipe diameter	6 kg/cm ²

Dust extraction	pipe diameter	250 mm
	dust extraction speed	28 m/s
Power supply	power	26 kW/68A
	frequency	50 Hz
	voltage	400 V, 3 phases
Machine dimension	required floor area	7,500 x 4,500 mm
	machine height	2,700 mm
	machine weight	4,800 kg



Security and Safety

- Regulation according to the EC Machinery Directive

Documentation

- Documentation and maintenance instructions printed and CD-ROM version