



- Very rigid dual-drive machine bridge
- Rigid frame construction (sides are made of stress-free annealed and milled monoblocks, which are fastened with pins during machine setup)
- high-quality linear guides on all axes
- Ground and hardened helical gears on Y and X axes, plus high-quality preloaded ball screws on Z axis
- Servomotoren und Präzisionsgetriebe stellen die ausgezeichnete Positionier- und Wiederholgenauigkeit sicher
- Totally enclosed moving units to protect against ingress of water and dust
- Electronically monitored central lubrication system
- Stand-alone cutting table with high load capacity
- Exchangeable support grid with galvanized (standard) or stainless steel (option) slats
- The standard laser pointer simplifies workpiece alignment on the support table for optimized sheet metal utilization
- The abrasive sand is held in a 250 kg storage container and transferred automatically via air pressure to a dosing unit

5-axis cutting system

- chamfering up to 60°
- TaperControl - cutting angle correction feature
- 5-axis cutting kinematics with high dynamics and precision
- Endless Rotating = no contour disruption and no repeat plunge-cut required = time and cost savings



Powerful CNC with ergonomic design

FAGOR CNC 8065

- **CNC CONTROL UNIT AND CAD/CAM-SOFTWARE**
- Powerful CNC with ergonomic design
- New series with touchscreen monitor, integrated mouse and USB port
- Rugged design with component technology that meets IP65 (NEMA12) standards
- Higher precision: Pre-programmed travel direction reversals are analyzed up front in order to adjust machining conditions according to the machine dynamics

Specifications Water-Jet 5X		2040	2060	3015	3020	3040	3060	3080
Working area								
Cutting capacity (2D)	mm	2.000x	2.000x	3.000x	3.000x	3.000x	3.000x	3.000x
		4.000	6.000	1.500	2.000	4.000	6.000	8.000
Cutting capacity 5 axes	mm	1.550x	1.550x	2.550	2.550x	2.550x	2.550x	2.550x
		3.500	5.550	1.050	1.550	3.550	5.550	7.550
Table load capacity	kg/m ²	1.500	1.500	1.500	1.500	1.500	1.500	1.500
Travels								
Travel Z-axis	mm	150	150	150	150	150	150	150
Rapid feed								
Rapid feed X-, Y-, Z- axis	mm/min	20.000	20.000	20.000	20.000	20.000	20.000	20.000
Feed								
Work feed	mm/min	0 - 20.000	0 - 20.000	0 - 20.000	0 - 20.000	0 - 20.000	0 - 20.000	0 - 20.000
Accuracies								
Positioning accuracy	mm	± 0,02	± 0,02	± 0,02	± 0,02	± 0,02	± 0,02	± 0,02
Repeatability	mm	± 0,01	± 0,01	± 0,01	± 0,01	± 0,01	± 0,01	± 0,01
Measures and weights								
Overall dimensions (length x width x height)	m	3,45x5	3,45x7	4,45x2,5	4,45x3	4,45x5	4,45x7	4,45x9
		x2,4	x2,4	x2,4	x2,4	x2,4	x2,4	x2,4
Weight without water	kg	4.960	6.620	3.370	3.930	5.950	8.310	10.500
Part No.		166753	166754	166751	166752	166755	166756	166757

Standard Equipment

5-Axis cutting system, IGEMS Softwarepackage, Network Connection for Fagor CNC, separate cutting table, support grid with galvanized slats, CNC control FAGOR 8065, laser pointer, abrasive tank 250 kg, swiveling control panel attached to the machine, electronic hand-wheel, operating manual and programming instructions

Options

Part No.

• BFT High pressure pump Ecotron 40.37, 3800 bars, 50HP	253564
• BFT High pressure pump Servotron 40.37	253364
• Starter set BFT 40.30/40.37/40.37+	166213

For additional options for this machine, visit our website.

Software

- The IGEMS Software package allows you to create and import 2D and 3D drawings, define tool paths, and arrange nesting layouts