



- 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 551 lbs 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
<b>Working Area</b>								
Cutting capacity (2D)	in	79x 157	79x 236	118x 59	118x 78	118x 157	118x 236	118x 315
Cutting capacity 5 axes	in	61x 138	61x2 19	100x 41	100 61	100x 140	100x 219	100x 297
Table load capacity	lbs/ft <sup>2</sup>	307	307	307	307	307	307	307
<b>Travels</b>								
Travel Z-axis	in	6	6	6	6	6	6	6
<b>Rapid Feed</b>								
Rapid feed X-, Y-, Z- axis	in/min	787	787	787	787	787	787	787
<b>Feed</b>								
Work feed	in/min	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787
<b>Accuracies</b>								
Positioning accuracy	in	± 0,0008	± 0,0008	± 0,0008	± 0,0008	± 0,0008	± 0,0008	± 0,0008
Repeatability	in	± 0,0004	± 0,0004	± 0,0004	± 0,0004	± 0,0004	± 0,0004	± 0,0004
<b>Measures and Weights</b>								
Overall dimensions (length x width x height)	in	136x197 x95	136x276 x95	176x99 x95	176x119 x95	176x197 x95	176x276 x95	176x355 x95
Weight without water	lbs	10,912	14,564	7,414	8,646	13,090	18,282	23,100
Part No.		166753	166754	166751	166752	166755	166756	166757

## Standard Equipment

5-axis cutter system, IGEMS Software package, Network connection for Fagor CNC, separate cutting table, support grid with galvanized slats, FAGOR 8065 CNC, 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	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