Gantry-Type Water-Jet Cutting System

Water-Jet B

Cutting solution for virtually any type of material

- 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
- Servo-motor drive on X / Y / Z axis
- 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

Cutting head and abrasive system are optimally matched to the respective system BFT high pressure pumps with ALLFI cutting head and abrasive system

Totally enclosed moving units to protect against ingress of water and dust

Standard Equipment

separate cutting table, support grid with galvanized slats, CONTRONEST CNC Control, laser pointer, abrasive tank 551 lbs, 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

For additional options for this machine, visit our website.

Control BECKHOFF CX5130

- The CX5130 has an Intel Atom® multicore processor with 1.75 GHz, real multi-core technology in the segment of compact embedded PCs
- Two independent, Gigabit-capable Ethernet interfaces as well as four USB 2.0 and one DVI-I interfaces are available
- The CX5130 is characterized by low power consumption and no fan
- Powerful Contronest drives round out the powerful and reliable control package

CAM-Software ControNest

- Easy to operate CAM software
- ControNest was specially developed for cutting machines
- The software includes an embedded CAM module, with which CAD drawings, nesting and material databases can be imported, which means no expensive additional CAM software is required

Specifications Water-Jet B		2010	2040	2060	3015	3020	3040	3060	3080
Working Area									
Cutting range	in	81x41	81x159	81x238	120x61	120x81	120x159	120x238	120x317
Table load capacity	lbs/ft²	307	307	307	307	307	307	307	307
Travels									
Travel Z-axis	in	8	8	8	8	8	8	8	8
Rapid Feed									
Rapid feed X-, Y-, Z- axis	in/min	787	787	787	787	787	787	787	787
Feed									
Work feed	in/min	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787	0 - 787
Accuracies									
Positioning accuracy	in	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002
Repeatability	in	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002	+/- 0.002
Measures and Weights									
Overall dimensions (length x width x height)	in	136x79 x95	136x197 x95	136x276 x95	176x99 x95	176x119 x95	176x197 x95	176x276 x95	176x355 x95
Weight without water	lbs	5,324	10,912	14,564	7,414	8,646	13,090	18,282	23,100
Part No.		166740	166743	166744	166741	166742	166745	166746	166747