



ATL GIOTTO evo

250 - 280 - 330 - 360

**Protected Longitudinal Guideways
Natural Gap**



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ATL GIOTTO evo / Features

Technical Specifications		250	280	330	360
CNC	Mod.	Fagor (Fanuc / Siemens / Heidenhain)			
Height of centres	mm	250	280	330	360
Swing over bed	mm	500	560	660	720
Swing over cross slide	mm	310	370	470	530
Swing in gap	mm	680	740	840	900
Distance between centers	mm	1500 - 2200 - 3000			
Bed width	mm	400			
Maximum weight of workpiece between centers	Kg	1500			
Spindle bore	mm	80	102 (130)		
Spindle nose	Camlock	8"	8" (11")		
Speed ranges (Automatic)	N.	1 (2)			
Spindle speed range	rpm	0:2000	0:1800 (0:1500)		
Main motor power (S6/S1)	Kw	22/15 (25/17)			
Cross slide travel	mm	360			
X-Z axis rapid traverse	m/min	12			
Tailstock quill diameter	mm	80			
Tailstock quill travel	mm	230			
Tailstock quill taper	Morse	5			

Weigth		250	280	330	360
ATL GIOTTO evo x 1500	Kg	4400	4600	4800	5000
ATL GIOTTO evo x 2200	Kg	4800	5000	5200	5400
ATL GIOTTO evo x 3000	Kg	5600	5800	6000	6200

ATL GIOTTO evo / Equipment

Standard equipment

- NC FAGOR or SIEMENS or FANUC or HEIDENHAIN
- **Protected longitudinal guideways**
- **Natural gap**
- Beds – Legs – Headstock – Tailstock – Carriages made of cast iron
- Induction hardened and ground guideways with hardness 50-55 HRC
- Spindle line supported by high accuracy bearings
- Carriages are sliding on antifriction material
- High accuracy and ground ballscrews on x and z axis
- Electric plant with low voltage control panel; it is placed in a suitable airtight cabinet. Make of components is Siemens and/or Schneider
- Automatic lubrication controlled by NC
- Enclosure with front sliding doors and work area lighting with led lamps
- Control programming panel, screen and handwheel mounted on a moving orientable arm (to place it on the best position for operator)
- Telescopic protections of cross slides
- Safety protections according EC standards
- Chip tanks on wheels
- Cooling system with electropump
- Safety microswitch (to prevent collision) for X axis, Z axis and tailstock
- End-stroke for X/Z axis and tailstock
- 3 colours lighting
- Heat exchanger (for oil cooling in the headstock)
- **Air device on the tailstock to ease the displacement along bed**
- **Steady rest**
- Set of service tools and wrenches – Manual – NC programming manuals – Machine built according to EC standards

Optional equipment

- Hydraulically or pneumatic operated chucks
- Manual self-centering chucks
- 4-independant jaw chuck
- Manual turret
- Automatic 4 position turret
- Automatic 8/12 position disc turret
- Automatic powered disc turret with 8/12 positions
- “C” with continuous movement by using the main motor or an independant motor.
- Hydraulically operated tailstock quill movement
- Tailstock with hydraulically operated locking/unlocking of tailstock base long bed
- Powered displacement of tailstock along bed
- Tailstock with rotating quill
- Chip conveyor
- Hydraulically operated steady rest
- Steady rest with larger Ø than standard
- Roller support steady for heavy loads
- Follow rest
- Automatic speed change gear box Baruffaldi with mechanic ratio 1:4
- Boring bar support assembled on carriage
- Grinding unit
- Milling unit
- Portable electronic handwheel
- Air conditioner on electric cabinet
- Mist suction system
- Tool control probe
- Workpiece control probe
- Optical pressurized linear scales on X & Z axis