



ATL evo

320 - 380 - 430 - 500



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ATL evo / Features

Technical Specifications		320	380	430	500
CNC	Mod.	Fagor (Fanuc / Siemens / Heidenhain)			
Height of centres	mm	320	380	430	500
Swing over bed	mm	640	760	860	1000
Swing over cross slide	mm	350	500	600	720
Distance between centers	m	1 - 1.5 - 2 - 3 - 4 - 5 - 6			
Bed width	mm	530	560		
Maximum weight of workpiece between centers	Kg	3000	4000		
Spindle bore	mm	103 (130)	132 (260 - 315 - 358)		
Spindle nose	Camlock	11"			
Speed ranges (Automatic)	N.	2			
Spindle speed range	rpm	0:1600 (0:1400)	0:1400		
Main motor power (S6/S1)	Kw	33/22 (45/30)			
Cross slide travel	mm	430			500
X-Z axis rapid traverse	m/min	9			
Tailstock quill diameter	mm	100	105		
Tailstock quill travel	mm	250	220		
Tailstock quill taper	Morse	5	6		

Weigth		320	380	430	500
ATL evo x 1500	Kg	6300	6600	6900	7200
ATL evo x 2000	Kg	6700	7000	7300	7600
ATL evo x 3000	Kg	7500	7800	8100	8400
ATL evo x 4000	Kg	---	8800	9100	9400
ATL evo x 5000	Kg	---	9800	10100	10400
ATL evo x 6000	Kg	---	10800	11100	11400

ATL evo / Equipment

Standard equipment

- NC FAGOR or SIEMENS or FANUC or HEIDENHAIN
- 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
- **Automatic speed change gear box Baruffaldi with mechanic ratio 1:4**
- 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
- Monolithic structure (**only with bed width mm 560**)
- Headstock with n. 2 automatic speed ranges
- **Tailstock displacement by manual clamping to carriage**
- **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
- Follow rest
- Boring bar support assembled on carriage
- Grinding unit
- Milling unit
- Portable electronic handwheel
- Handwheels placed on carriage like on manual lathes
- Air conditioner on electric cabinet
- Mist suction system
- Tool control probe
- Workpiece control probe
- Optical pressurized linear scales on X & Z axis