



ATL NEOS evo

225 - 260 - 300



MCM Spa Piazzale del Planetario 7/8/9, Loc. Levane 52025 Montevarchi (AR) Italy
Tel: +39 055 978 8508 Fax: +39 055 9789944 Email: info@mcm.spa Sito Web: www.mcm.spa

ATL NEOS evo / Features

Technical Specifications		225	260	300
CNC	Mod.	Fagor (Fanuc / Siemens / Heidenhain)		
Height of centres	mm	225	260	300
Swing over bed	mm	450	520	600
Swing over cross slide	mm	230	300	380
Distance between centres	mm	1000 - 1500 - 2000	1000 - 1500 - 2000 - 3000	
Bed width	mm	400		
Spindle bore	mm	82	82 (105)	
Spindle nose	Camlock	8"	8" (11")	
Spindle speed	rpm	0-2000	0:1800	
Speed ranges (Automatic)	N.	1 (2)		
Main motor power (S6/S1)	Kw	15,5/11	22/15	
Cross slide travel	mm	300	340	
X-Z axis rapid traverse	m/min	12	12	
Tailstock quill diameter	mm	75	85	
Tailstock quill travel	mm	150	200	
Tailstock quill taper	Morse	5	5	

Weigth		225	260	300
ATL NEOS EVO x 1000	Kg	3600	3800	3900
ATL NEOS EVO x 1500	Kg	3900	4200	4300
ATL NEOS EVO x 2000	Kg	4300	4600	4700
ATL NEOS EVO x 3000	Kg	---	5400	5500

ATL NEOS 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
- 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
- Chip conveyor
- Hydraulically operated steady rest
- Steady rest with larger Ø than standard
- 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