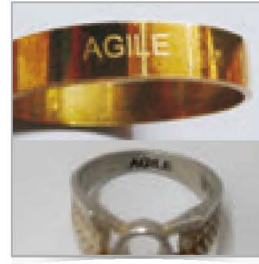


## Application



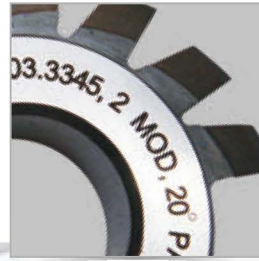
### Automobile

Bearing	Filter
Piston	House
Piston ring	Turbine
Injector	Brake
Tag	Crankshaft
Nozzle	Cam
Valve	Shaft
Gear	Mirror



### Jewellery & Fashion Accessories

Hallmarking	Bangle
Ring	Cufflinks
Earring	Pendant
Nose pin	Broaches



### Tools & Tooling

Cutting Tools	
HSS	Diamond
Carbide	Tools
Tungsten	Dies
Miling	Punch
Cutter	Chucks
Drills	Gauges
Measuring Instruments	



### Die & Mould Engraving

2D Die Engraving for Coin  
Mould Engraving  
3D Die Engraving  
Deep Text Emblem Engraving



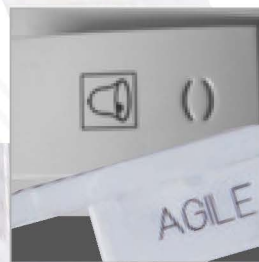
### Electronics

PCB  
Capacitors  
IC  
Backlit  
Mobile & Computer Accessories  
USB Drive  
RFID Tag



### Kitchenware & Bath Fittings

Cookware set	Faucets
Knife	Door & Window
Spoon	Hardware
Fork	
Lemon Squeezer	
Bathroom Taps	
Bathroom Fittings	



### Electrical

Switch	Connector
Regulator	Electric Motor
Plug	Relay
Wire	Solenoid
Cable	MCB
Battery	



### Giftware

Pen  
Key Chains  
Awards  
Trophy  
Corporate & Personalised Gifts



### Medical / Surgical

Implant	Needle
Catheter	Blade
Screw	Bit
Stent	Scissor
Surgical Instruments	

# LASER MARKING







INDUSTRIAL



ECO HM



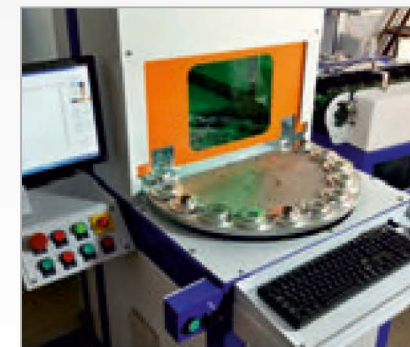
TABLE TOP

**Technical Specification**

	INDUSTRIAL				ECO SERIES			TABLE TOP	
Model	ATF 20 Q	ATF 20 M	ATF 30 M	ATF 50 M	ATF 20	ATF 30	ATF 50	ATF 20 Q	ATF 50 M
Laser Type	Yb Fiber Laser				Yb Fiber Laser			Yb Fiber Laser	
Wavelength	1055-70 nm	1064 nm	1064 nm	1064 nm	1064 nm	1064 nm	1064 nm	1055-70 nm	1064 nm
Avg Output Power	20 Watt	20 Watt	30 Watt	50 Watt	20 Watt	30 Watt	50 Watt	20 Watt	50 Watt
Power Range	10-100%				10-100%			10-100%	
Beam Quality (M2)	< 1.6	< 1.6	< 1.6	< 1.6	< 1.5	< 1.8	< 2	< 1.6	< 1.6
Frequency / PRR	20-80 kHz	20-500 kHz	30-500 kHz	50-500 kHz	20-60 kHz	30-60 kHz	50-100 kHz	20-80 kHz	50-500 kHz
Pulse Width	100-120 ns	35-250 ns	35-250 ns	40-250 ns	< 130 ns	< 130 ns	< 130 ns	100-120 ns	40-250 ns
Peak Power	7-9 kW	> 10 kW	> 10 kW	> 10 kW	7-9 kW	7-9 kW	7-9 kW	7-9 kW	> 10 kW
Pulse Energy	> 1 mJ	> 1 mJ	> 1 mJ	> 1 mJ	> 1 mJ	> 1 mJ	> 1 mJ	> 1 mJ	> 1 mJ
Red Guide Laser	Inbuilt	Inbuilt	Inbuilt	Inbuilt	Inbuilt	Inbuilt	Inbuilt	Inbuilt	Inbuilt
Ambient Temperature	25 ° C	25 ° C	25 ° C	25 ° C	25 ° C	25 ° C	25 ° C	25 ° C	25 ° C
Cooling	Air Cooling				Air Cooling			Air Cooling	
Marking Area*	150 mm x 150 mm or 100 mm x 100 mm				150 mm x 150 mm			100 mm x 100 mm	
Working Table	480 mm x 480 mm				300 mm x 300 mm			400 mm x 250 mm	
Z (Focussing) Axis Travel	275 mm				200 mm			100 mm	
Z Axis Type	Motorised Table (Wired Remote Controlled)				Motorised / Manual Head			Motorised	
Weight Carrying Capacity	70 Kg.				40 Kg.			7.5 Kg.	
Machine Dimension (LxBxH)	1200 mm x 790 mm x 1350 mm				650 mm x 810 mm x 1400 mm			450 mm x 900 mm x 570 mm	
Machine Weight	150 Kg.				80 Kg.			90 Kg.	
Software	Window 7 or above compatible, Alphanumeric Character, Windows Fonts, Barcode, 2D Code, QR Code, Serial No., .plt, .jpg, .bmp, .svg, .dxf, .ai								
Electrical Power	Single Phase 230 V 50 Hz; Consumption < 1 kW								

\* other options available

**Automation**



Indexing



Conveyor – Stop & Go



Conveyor - Fly On



Stack & Pusher Type Automation And Vision Inspection System



Rotary Attachment for Circumferential Marking



XY Positioning System