



ARTI Bileme

GRINDING& WELDING MACHINERY

OTOMAT-IC

AUTOMATIC T.C.T. CIRCULAR SAW FACE GRINDER



www.artibileme.com.tr e-mail: info@artibileme.com.tr

Ibrahim Turan Cd. No 174 Menderes 35470 Izmir Turkiye

Phone:+ 90 232 782 6644 + 90 232 782 2390 Fax: + 90 232 782 1468



ARTI Bileme

GRINDING& WELDING MACHINERY

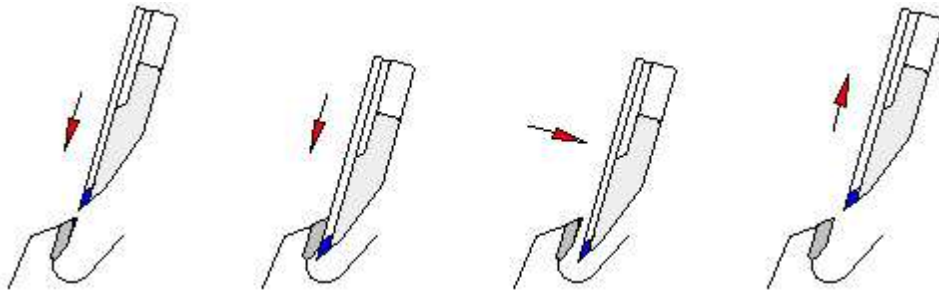
OTOMAT-IC

OTOMAT-IC is designed to grind T.C.T. circular saw blades, generally used for cutting timber, pressboard, PVC and aluminum. Its aim is to provide a clean and undamaged cutting edge for the materials used.

The OTOMAT-IC is capable of grinding standard tooth shapes on carbide tipped circular saw blades up to Ø750mm

This machine is designed only for face grinding.

Face Grinding:



OTOMAT-IC at a glance:

- Hydraulic driven.
- Microprocessor controlled.
- Lift off face grinding.
- Hydraulic driven saw blade clamp by lever.
- Grinding all common tooth types.
- Optional control panel with TFT screen.
- Totally enclosed cabin for operator safety.
- Simple controls for ease of use.
- Rigid base.
- Independently adjustable grinding and indexing speed.
- Ergonomic cabin for ease of loading and unloading.
- Production conformed with CE standards.

www.artibileme.com.tr e-mail: info@artibileme.com.tr

Ibrahim Turan Cd. No 174 Menderes 35470 Izmir Turkiye

Phone:+ 90 232 782 6644 + 90 232 782 2390 Fax: + 90 232 782 1468



ARTI Bileme

GRINDING& WELDING MACHINERY

OTOMAT-IC

Capacity:

Face grinding up to 35-40 T.C.T. circular saws per day.

Technical Specifications:

Circular saw outside diameter	Ø100-750mm
Bore diameter	Ø16-55mm
Blade thickness	Max. 6.0mm
Tooth pitch	7-100mm
Feeding rate	25 teeth/min.
Cutting angle	(-10°) - (+30°)
Grinding wheel outside diameter	Ø100mm
Grinding wheel bore diameter	Ø25mm
Grinding motor	1HP
Coolant motor capacity	35lt/min.
Coolant container capacity	~50lt.
Motor quantity	3
Connected load	~2kW
Voltage	380V, 3Ph, 60Hz
Net/gross weight	750/775kg
Dimensions	110*150*210cm.

Hydraulic power unit:

Hydraulic Pump Capacity	3,2 lt /min.
Working pressure	20 Bar
Container Capacity	18 lt

www.artibileme.com.tr e-mail: info@artibileme.com.tr

Ibrahim Turan Cd. No 174 Menderes 35470 Izmir Turkiye

Phone:+ 90 232 782 6644 + 90 232 782 2390 Fax: + 90 232 782 1468



ARTI Bileme

GRINDING& WELDING MACHINERY

Oil type	Tellus 37
Number of valves in use	4 units

OTOMAT-IC

Motors on the machine:

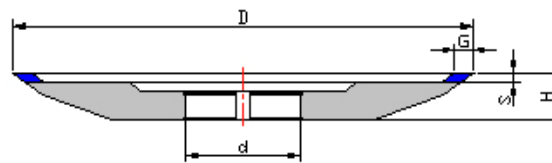
- i. Grinding wheel motor (Y axis) – [0,75kW 2800 r.p.m.]
- ii. Hydraulic motor – [0,75 kW 1400 r.p.m.]
- iii. Coolant motor – [0,09 kW 2800 r.p.m.]

Saw blade holders provided with the machine:

Ø20 – 22 – 25 – 30 – 32 – 35 – 40 – 45 – 50 – 55mm

Grinding Wheels:

FACE GRINDING WHEEL



D Ø100mm

G 7 mm

S 4 mm

H 12 mm

d Ø25 mm

Type 4A2








ARTI Bileme

GRINDING& WELDING MACHINERY

OTOMAT-IC

Tooth Forms and Grinding Phases:

		Face Grinding phases
	Flat top	1
	All left bevels	1
	All right bevels	1
	Alternate Tooth Bevel (ATB)	1
	5T (Flat-Right-Left-Right-Left)	2

Control Panels:



ARTI Bileme

GRINDING& WELDING MACHINERY

Standard



Optional TFT screen control panel



OTOMAT-IC

Warranty Period:

Mechanical Guarantee : 1 year against production faults.

Electronic Guarantee : 2 years against production faults.

(The guarantee does not cover the electrical motors and the supplied electrical materials)

Optional Supplements:

- Face grinding wheel.
- Optional saw blade diameter up to Ø1200mm.
- TFT screen control panel.
- Saw blade holders in various sizes.

(Saw holders up to Ø50mm are provided with the machine free of charge. Each holder for bigger diameters is optional)

- Air suction unit.
- Aluminum magnetic saw holder.

www.artibileme.com.tr e-mail: info@artibileme.com.tr

Ibrahim Turan Cd. No 174 Menderes 35470 Izmir Turkiye

Phone:+ 90 232 782 6644 + 90 232 782 2390 Fax: + 90 232 782 1468



ARTI Bileme

GRINDING& WELDING MACHINERY

- Manual lubrication pump.
- Closed packing.

To be invoiced separately.