



**ARTI Bileme**

GRINDING& WELDING MACHINERY

## **OTOMAT-DUO**

**T.C.T. CIRCULAR SAW DOUBLE SIDE GRINDER**

[www.artibileme.com.tr](http://www.artibileme.com.tr) e-mail: [info@artibileme.com.tr](mailto:info@artibileme.com.tr)

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## **OTOMAT-DUO**

OTOMAT-DUO is designed specially for side grinding the teeth of circular saw blades. The

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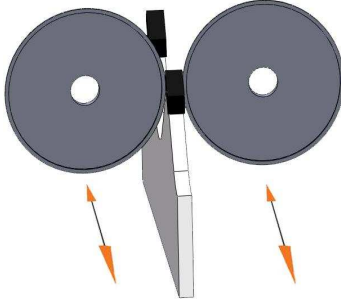


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aim is to provide a clean and an undamaged cutting edge for the materials used. OTOMAT-DUO Double Side Grinder features two 0,75kW grinding motors.

### Side Grinding Operation:



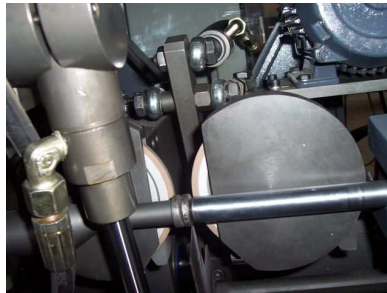
### OTOMAT-DUO at a glance:

- Hydraulic driven.
- Microprocessor controlled.
- Independently adjustable grinding heads.
- Quick setup of blade thickness, tangential clearance and radial clearance angles.
- Linear bearing slide system.
- Variable grinding feed rate up to 8mm/sec.
- Variable indexing speed up to 18teeth/min.
- Programmable spark out cycles for fine finish.
- Hydraulic saw blade clamp by means of lever.
- Enclosed cabin for operator safety.
- Simple controls for ease of use.
- Ergonomic cabin.
- Production conformed with CE standards.

**Capacity:** Double side grinding up to 35 T.C.T. Circular saws per day.



OTOMAT-DUO Working area



OTOMAT-DUO Grinding heads



Dial gauge to follow the infeed amount

## **OTOMAT-DUO**

### Technical Specifications:

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Circular saw outside diameter	Ø100-750mm
Bore diameter	Ø16-55mm
Blade thickness	6.0mm
Tooth pitch	0-80mm
Feeding rate	18 teeth/min
Tangential clearance angle	0-3°
Radial clearance angle	(-3°) (3°)
Grinding wheel diameter	Ø100mm
Grinding wheel bore diameter	Ø20mm
Grinding wheel type	4A1
Connected load	2,7kW
Coolant motor capacity	35 lt/min.
Coolant container capacity	~50lt.
Motor quantity	4
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
Oil type	Tellus 37
Number of valves in use	3 units

### Saw holders provided with the machine:

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

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### Motors on the machine:

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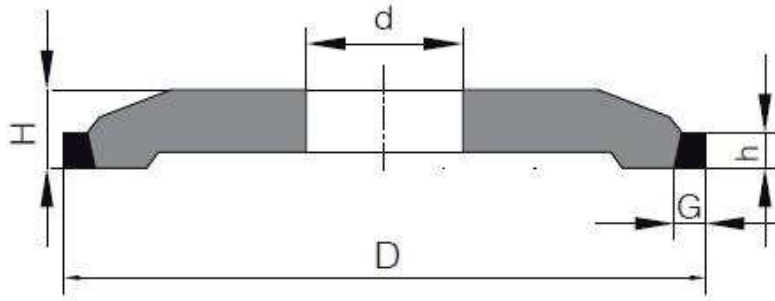


## ARTI Bileme

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- Grinding wheel motor (right) – 0.75kW, 2800 r.p.m.
- Grinding wheel motor (left) – 0.75kW, 2800 r.p.m.
- Coolant motor: 0,09kW, 2800 r.p.m.
- Hydraulic motor – 0,75kW, 1400 r.p.m.

### Grinding wheel:



Type	:4A1
D	:Ø100 mm
d	:Ø20 mm
H	:10 mm
h	:4.5 mm
G	:4 mm
Oil Coolant	

### Warranty Period:

- Mechanical Guarantee** : 1 year against production faults.  
**Electronic Guarantee** : 2 years against production faults.

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

### Optional Supplements:

- Double side grinding wheels.
- Optional step motor for individual lift-off adjustments of grinding heads.
- Saw blade holders in variant sizes.  
(Saw holders up to Ø55mm are provided with the machine free of charge. Each holders for bigger diameters are optional).
- Aluminum magnetic saw holder.
- Manual lubrication pump.
- Air suction unit.
- Closed packing.

To be invoiced separately.