

# The machine series for perfect finishing

For the metal machining industry: deburring, radiusing, grinding and polishing



Perfect surfaces. Worldwide  
Perfect surfaces. Worldwide

## Compact, fast, perfect

Presenting OTEC's range of compact mass finishing machines: the ECO-Maxi and the ECO 9 | 18 series. This versatile product line offers machines which are ideal in size and configuration for each and every area of application – specially tailored to the requirements of the metal machining industry. From small units to larger systems and from the finishing of single items to mass production. But one feature remains the same: the combination of fast deburring and smoothly ground surfaces – perfect in every detail.

## Highlights

- ▶ Considerable time saving (conventional processes approx. 3 - 4 hours, ECO from OTEC approx. 5 - 20 minutes)
- ▶ Pays for itself in a very short time
- ▶ Utilizes the grinding fluid from the NC machine, so no additional water connection is needed
- ▶ Perfect surfaces – even in hard to reach areas

INDUSTRY

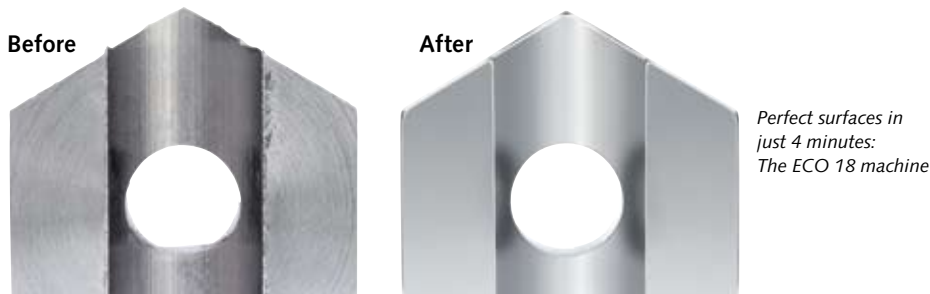


▲ ECO-Maxi  
The economical solution for small production runs:  
The ECO-Maxi, perfect, refined, and expandable.

▲ ECO 9 | 18  
The grinding center for larger production runs:  
The ECO 9 | 18 – the affordability of innovative technology.

# Perfect deburring and grinding in minutes

For milled, turned and broached parts



Otec machines surpass the competition in terms of cost-effectiveness and efficiency (more than 90 % shorter processing times than conventional techniques). In over 12 years on the market, Otec has grown to become the technological leader in this sector, with many patented features, and is now certified according to DIN EN ISO 9001:2000.

## ECO-Maxi wet

Small footprint, leading-edge technology and low capital investment. These are the significant factors behind the design concept of the ECO-Maxi. Two models are available: a smaller standard model and an expanded industrial version. This machine is ideal for deburring turned and milled parts.

### An Otec highlight:

The ECO-Maxi wet takes up very little space and utilizes the grinding fluid from your NC machine. This means that no additional water connection or drain is needed. Just "plug and play", you could say. The result is a compact grinding center right next to your machine tool.

### Area of application:

- ▶ Entry-level machine for turning and milling shops
- ▶ For small production runs and prototypes

## ECO 9 | 18

Economical to buy and maintain. This series is designed for medium and large production runs. It is fast and versatile and can be used for a range of surface finishing applications from deburring to polishing. Depending on the workflow, two machines from the ECO series can be operated in parallel for simultaneous deburring and polishing.

### An Otec highlight:

Its innovative design and the choice of materials make the ECO 9 | 18 superior to conventional barrel-type machines both in terms of the purchase price and also with regard to wear parts. It can cut your processing times by up to 90 % – and deliver perfect results.

### Area of application:

- ▶ Designed for CNC machining shops
- ▶ Medium and large production runs

## EQUIPMENT

### ECO-Maxi wet

- ▶ Container volume: 6 litres
- ▶ Dimensions: 360 x 350 x 530 mm
- ▶ Weight: 14,5 kg
- ▶ Power requirement: 0,8 KVA/230 V
- ▶ Frequency: 50/60 Hz
- ▶ Control unit with display
- ▶ Speed control via frequency inverter

### ECO 9 | 18

- ▶ Container volume: 9 | 18 litres
- ▶ Dimensions: 570 x 600 x 740 mm | 640 x 740 x 820 mm
- ▶ Weight: 40 kg | 65 kg
- ▶ Power requirement: 0,9 KVA / 230 V
- ▶ Frequency: 50/60 Hz
- ▶ Control unit with display
- ▶ Speed control via frequency inverter
- ▶ Hot moulded process container – extremely wear-resistant