

# Perfect surfaces for extremely large workpieces with the **world's first: DF-H**

(Horizontal Drag Finishing Machine)



Perfect surfaces. Worldwide.  
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# DF-H



DRAG FINISHING MACHINE DF-H

OTEC's latest innovation for large workpieces e.g. for mechanical engineering, power plant construction and aerospace engineering

The first machine of its kind on the market – OTEC's innovative new mass finishing machine DF-H (DF-horizontal) enables large workpieces of up to 1000 mm long and 500 mm diameter to be processed automatically. Until now, workpieces of this size had to be finished manually. Perfect for aerospace engineering, mechanical engineering, power plant construction ... Deburring, edge rounding and polishing of workpieces, all performed in the shortest possible times.

#### Highlights:

- ▶ Automatic finishing of large workpieces of up to 500 mm diameter and 1000 mm long
- ▶ Makes manual work a thing of the past
- ▶ Drag finishing of up to 4 workpieces simultaneously
- ▶ Machine scalable to meet individual requirements
- ▶ Extremely reliable results



# Extremely reliable and fast process

Automatic surface finishing – far superior to manual polishing



## Innovative features

- ▶ The world's first drag finishing machine for large workpieces of up to 500 mm diameter and 1000 mm long
- ▶ Drag finishing machine for deburring, grinding and high-luster polishing
- ▶ Fully automatic operation means enormous time saving
- ▶ Ideal for finishing jet engine components
- ▶ Fast and uniform finish achieved by oscillating back and forth through the grinding and polishing medium
- ▶ Dosing unit provides optimum water supply for wet finishing giving clean and bright surfaces
- ▶ Immersion depth is not important because workpieces are clamped horizontally
- ▶ Lifting tool for easy loading and unloading of workpieces
- ▶ Up to 200 finishing programs can be stored
- ▶ All the advantages of a standard drag finishing machine

## Particularly suitable for workpieces such as

- ▶ Jet engine turbine components
- ▶ Augers
- ▶ Broaching tools
- ▶ Gas and steam turbine components
- ▶ Rollers

## Machine operation

The workpieces can be arranged as follows:

- ▶ centered between the two arms (photo 1)
- ▶ off-center, allowing space for up to 4 workpieces, such as turbine blades (photo 2)

## Areas of application

- ▶ Aerospace engineering
- ▶ Manufacture and maintenance of gas and steam engines
- ▶ Mechanical engineering and power plant construction
- ▶ Tool manufacture, such as broaches
- ▶ Plastic processing industry

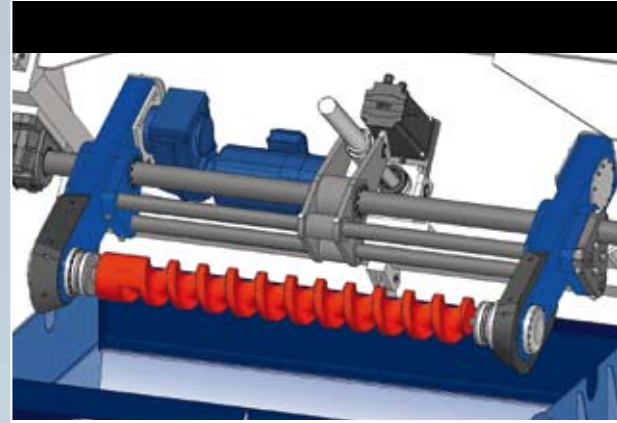


Photo 1

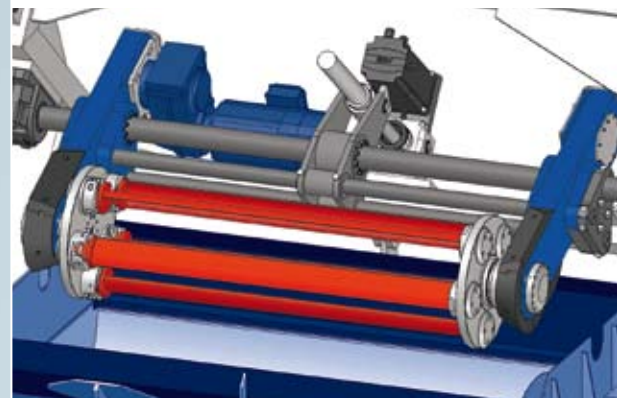


Photo 2