

Precision finish
demands



THE CF ELEMENT SERIES

Top performance – low cost factors

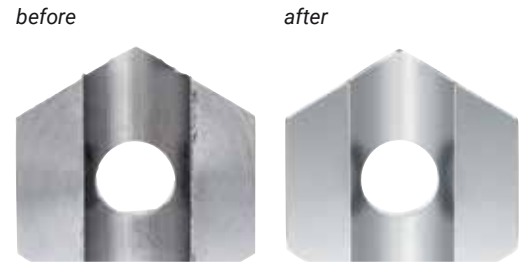
ECONOMICAL AND PERFECT SURFACES FOR THE MACHINING INDUSTRY

The OTEC disc finishing machines in the CF Element series combine high performance with low capital investment and low processing costs. The modular design of the CF Element units enables each machine to be individually adapted to the respective application. This gives the user an optimized process flow and greater cost-effectiveness.

Harnessing the effect of the different centrifugal forces acting on the workpiece and the process medium gives a very intense finishing. This is up to 20 times more efficient than, for example, the use of conventional vibratory finishing units.



CF ELEMENT – QUALITY, MADE IN GERMANY



Perfect deburring and polishing



The consistent use of only high-quality materials and components ensures trouble-free operation and long service life.

The unique, patented gap system of the CF Element series enables the gap to be adjusted to an accuracy of 0.05 mm. This variable setting of the gap between the disc and the drum wall enables a very fine grain polishing medium (0.2 – 0.4 mm walnut granulate) to be used.

The CF Element therefore produces the best polishing results and the finest surfaces. In addition, this special process prevents the gap from generating much heat. This also means that no compressed air is needed for cooling.

Highlights

- ▶ Low capital investment
- ▶ Low processing costs
- ▶ Modular system enables equipment to be customized
- ▶ This gives greater cost-effectiveness
- ▶ An efficiently configured machine specifically tailored to the application in hand
- ▶ Perfect finishing results

Technical specifications

	CF 18 Element	CF 32 Element	CF 50 Element
Drum volume	18 Liter	32 Liter	50 Liter
Drum diameter	330 mm	430 mm	485 mm
External dimensions	720 x 910 x 1520 mm	1040 x 850 x 1650 mm	900 x 1050 x 1610 mm
Weight	Ca. 130 kg	Ca. 170 kg	Ca. 180 kg
Power requirement	1,2 kVA, 230 V	1,5 kVA, 230 V	2,3 kVA, 230 V

Areas of application

Ideal for small and medium-sized production runs which change frequently.

Standard equipment

- ▶ Just one machine for dry or wet finishing
- ▶ High-quality gap system (CF Element dry) with low-wear ceramic rings
- ▶ Speed control
- ▶ Speed, preselected processing time and elapsed time are shown on the display
- ▶ Manual separating unit for CF 18 Element and CF 32 Element

Optional extras

- ▶ Dosierpumpe mit Leerabschaltung
- ▶ Siebwagen bei CF 50 Element
- ▶ High-quality gap system (CF Element wet) with low-wear ceramic rings

PUT US TO THE TEST

Send us a sample and we will show you what a CF Element machine from OTEC can do. We will develop a finishing concept specially tailored to your needs – absolutely free of charge. And we will also carry out a test run in our research lab and compile a process log documenting all the process parameters.