

Otec SF-Series

FAST AND PRECISE TOOL PREPARATION OF MIXED BATCHES



NEW

STREAM FINISHING SOLUTION – FOR THE TOOL INDUSTRY

With the SF-PLS (Prisma Loading System), proven Otec Stream Finishing Processes meet smart automation. All you need to do is select the finishing task, such as rounding cutting edges, chip-space polishing or coat smoothing. After that, the machine automatically selects the process parameters for each tool. The prism pallets used enable rapid loading and unloading of tools, regardless of the length and diameter of components.



Read more

Flexibility

- Load the machine with tool batches in random order, with any diameter
- Fully automated workpiece removal and return
- For different tool parameters such as tool lengths and diameters
- Simple programming for different batch sizes, e.g. large and small production runs or re-grinding batches

New features

- **Stream Finishing Processes:** Short, programmable processes with times of just 30–180 seconds
- **Automated loading unit:** Automatic detection of diameters from 3–20 mm and lengths of up to 220 mm
- **2-finger gripper system:** For shaft diameters of 3–20 mm without any retooling
- **Smart software:** Choice of flex or job mode with automated, predefined or custom parameters to choose from
- **Convenient loading:** Capacity for **360 tools** on 18 pallets of 20 tools, enabling unmanned runtimes of **5.5 h** at a processing time of **30 seconds** and up to **20 h** at a processing time of **180 seconds**

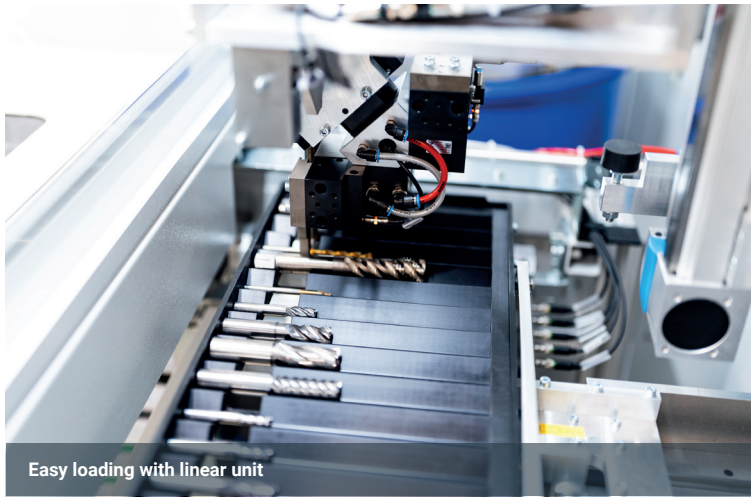
Machine Highlights

- 3 070 x 1 390 x 2 590 mm (L x W x H)
 - 2 200 kg
- 1 Proven Stream Finishing Processes
 - 2 Universal 2-finger gripper system
 - 3 Control panel with smart software
 - 4 Integrated automation with linear unit
 - 5 Prisma Loading System
 - 6 Tool magazine for unmanned operation

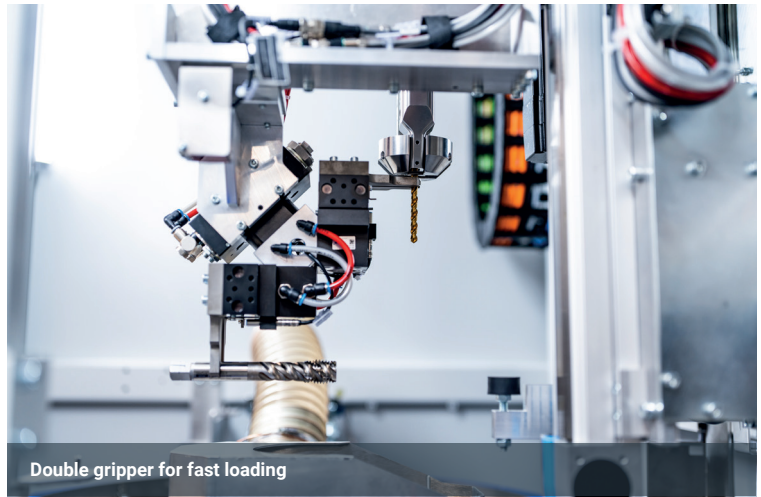


Trolley for loading up to 9 pallets at once





Easy loading with linear unit



Double gripper for fast loading

Smart automation for maximum user convenience

As well as normal job mode, where processing parameters are individually defined for specific cutting tools, the OTEC SF-PLS offers the very best high-tech for ease of operation with randomly mixed tool batches. It detects a huge variety of tool diameters with precision and machines the tools fully automatically and reliably using optimum, predefined processes.

Simply preselect your programme on the touch panel, activate the finishing task you require, get the loading unit ready with the trolley, and start unmanned operation.

In addition to the standard software, which enables full control over all process parameters, the SF-PLS also has a flex mode for flexible operation. This is the result of decades of experience by OTEC's Stream Finishing experts, as optimum process parameters for each tool diameter and desired finishing result are stored in the machine control system.

Flex mode options **Essential**

Homogenising, rounding, coat smoothing

Expert polishing

Homogenising with the best possible cutting edge quality, chip-SPACE polishing with or without edge rounding

Expert rounding

Light/moderate/heavy rounding

Job mode

Custom definition of process parameters



See the OTEC high-gloss results for yourself!

We develop custom solutions to suit your specific requirements in our Finishing Center.

Your local
OTEC Partner



As a trusted global partner for perfect surfaces, OTEC builds innovative finishing machines which set high standards and achieve perfect process reliability. The revolution in manual processing applications delivers precise results of consistent quality and optimal processing time.

Reproducibly smooth surfaces, defined rounding results, burr removal and a perfect sheen offer a crucial competitive edge for almost all industries. In particular that means saving energy as well as extending the service life and increasing the durability of parts.

OTEC machines with the "Made in Germany" seal of quality stand for dependable technology, high-quality workmanship, reliable operation and a long service life.



OTEC Präzisionsfinish GmbH
Heinrich-Hertz-Straße 24
75334 Straubenhardt-Conweiler,
Germany +49 7082 4911 711
sales@otec.de
www.otec.de

Made
in
Germany