

SIZING & FINISHING TOOLS

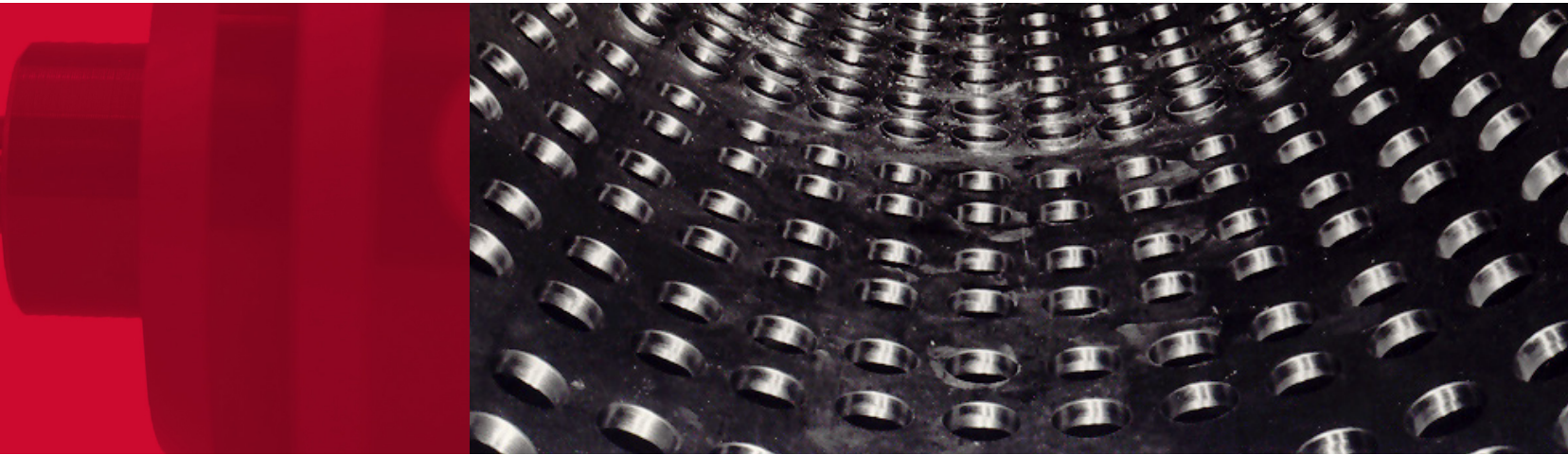
SFT

Tools for size control, aligning, straightening and improving hole roundness - while improving surface finish.



SIZING AND FINISHING TOOLS OPERATE IN A MANNER SIMILAR TO OUR ID MULTI-ROLLER BURNISHING TOOLS. THEY DIFFER IN THAT COMPRESSION OCCURS ACROSS THE ENTIRE LENGTH OF THE ROLL, AS OPPOSED TO OCCURRING AT A SINGLE POINT AS IT DOES ON A MULTI-ROLLER BURNISHING TOOL.

- This “parallel rolling” disperses wear, making sizing and finishing tools last longer than the other types of burnishing tools.
- Parallel rolling allows for much faster cycle times compared to traditional burnishing.
- SFT tools straighten holes and improve hole roundness, while improving surface finish.
- This is particularly beneficial for correcting tapered holes or misalignment between 2 bores, such as the pin bores of a piston.



**You can expect an SFT to expand
0.001" - 0.002" on diameter, and hold size
within 0.0001" - 0.0002".**

**AN SFT WILL ENTER THE BORE IN A COLLAPSED STATE AND THEN ACTUATE TO
REACH IT'S FINAL SIZE.**

SFT actuation can be either mechanical off a qualified part surface or actuation plate, hydraulic, pneumatic, or coolant fed.

