

NEW!

SF 2 machines for finishing injection plungers, with automatic loading and unloading

Workpieces: plungers for fuel injection systems for the automotive industry

Dimensions of workpieces: approx. 2 x15 mm

Task:

- Deburr control edge and round to less than 1 µm
- Improve surface quality

Finishing process: 10 seconds dry finishing with QZF 90 media, no further additives

Description: The machine is fitted with a lifting unit with two workpiece holders. The guides are rigid in construction and ensure a high degree of repeatability when loading and unloading the workpieces. The workpieces are clamped in pneumatic chucks. Clamping tension is provided by disc springs and the workpieces are released by means of pneumatic compressed air cylinders. Both workpieces are processed at the same time. When the workpieces are raised out of the process drum, they are automatically blasted with air.





The workpieces are delivered to the machine on palettes and from there they are loaded and unloaded by a Stäubli Robot with double grippers. A sensor monitors the level of the abrasive media and ensures that no workpiece has gone missing during the finishing process.

