

## Multiple finishing processes in one Robotic Finishing Cell

Our smaller, stainless machined parts require polishing, deburring, and bead blasting. We have a number of part families with medium batch sizes. These multiple finish requirements are driving our labor cost up. What can we do to reduce our cost?

Your parts sound like excellent robotic finish system parts. Robots can be easily programmed for flexible automation of small to medium size part batches. They can also be incorporated to use on all mechanical finish applications.

Your parts can be picked up by the robot, polished, deburred, and sent through a bead blaster with one mechanically orchestrated movement, completing the part and even loading them into the next process.

Robots are programmed to hold the smaller to medium size parts moving them through the finishing tools. They can also be programmed to hold the finishing tools and bring them to larger parts.

When a part is polished, buffed, or deburred using a wearable abrasive wheel or tools, robots are built with pressure compensation devices. This allows consistent unit pressure as the tools wear, producing repeatable results.

Finishing robots are produced in various sizes depending on part size. They are precise, repeatable, and reliable. They are gaining favor as parts are becoming more complex with smaller batch sizes. It's best to purchase these robots from turn-key finishing companies that understand the finishing techniques and requirements.

