

# DRILL EXTRACTION SHOE

## INDUSTRIAL | Machinery & Equipment

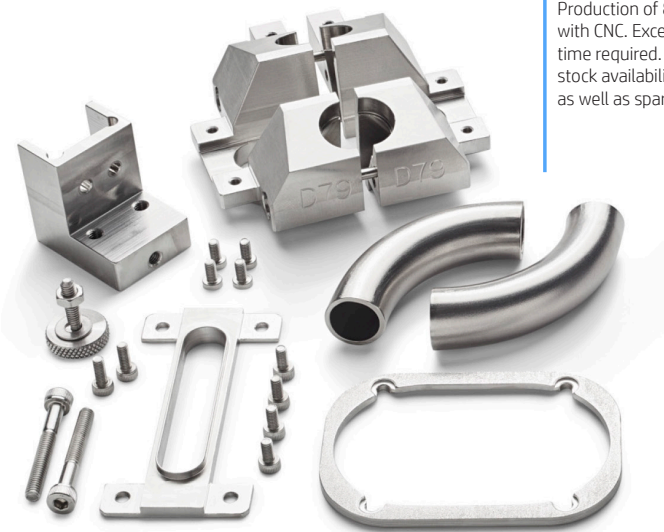


Application type:

Final Part: Short runs

Material:

HP 3D High Reusability PA12



### 8 PARTS ASSEMBLY + SCREWS

Production of 8 different parts with CNC. Excessive assembly time required. Need to ensure stock availability for each part, as well as spare parts.

**TOTAL COST PER PART**  
CNC Machined: 417\$

**WEIGHT**  
CNC Machined: 20,28 Ounces



### ONEPART

Stock reduction. Transformation to digital stock. No assembly time required.

### TOPOLOGY OPTIMIZATION

Material and weight reduction achieved thanks to Topology Optimization and Design for 3D Printing.

**TOTAL COST PER PART**  
HP 30 MJF: 20,29\$  
**95% Cost reduction**

**WEIGHT**  
HP 30 MJF: 1,49 Ounces  
**93% Weight reduction**