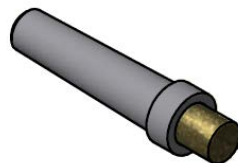


# MASTER®

## CASE STUDY #1005


### Hybrid Dressing Tool

<b>Workpiece:</b>	Aerospace Shaft
<b>Operation:</b>	O/D grind plain diameter
<b>Machine:</b>	Studer S36
<b>Material/Hardness:</b>	Aerospace Stainless Steel
<b>Cutting speed (grinding wheel):</b>	45m/s
<b>Stock Removal:</b>	0.15mm on Diameter
<b>Grinding wheel:</b>	01_450x25x203.2 51A80 K6V LGAA
<b>Dresser:</b>	Was profile diamond Now Meister hDD stationary dresser
<b>Grinding time:</b>	2 minutes
<b>Coolant:</b>	Emulsion 3%
<b>Improvement:</b>	<ul style="list-style-type: none"><li>• Improved parts per dress</li><li>• Improved process stability</li><li>• Reduction in diamond usage</li><li>• Overall cost saving on abrasive usage</li></ul>



**SOLUTIONS FOR INDUSTRY**

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