



CASE STUDY: QC PARABOLIC DRILLS

Landing safely with deep hole drilling

It's the subtle things that add up to big savings in your machining costs. You can save a little on expenses such as materials, equipment, labor, and facilities. But the best way to cut costs dramatically is by increasing productivity.

A Partner Solution

At Dormer Pramet, we are not just a manufacturer of cutting tools. We partner with you to ensure your customers reach the productivity they require.

Clean Cutting For Fast Throughput

Just switching to a Precision drill resulted in a savings of more than 80% in an aircraft landing gear machining operation. In a test performed for a large aerospace manufacturer, we compared Precision Twist Drill's parabolic flute deep hole drills (QC drills) to those of a leading competitor. The Precision QC drill's superior performance completely eliminated "pecks" and its durability resulted in zero downtime for drill changes on a short production run. Projected yearly cost for new drills was cut by more than half.



Small Job, Big Savings

Even for limited-production jobs, the parabolic flute produced remarkable savings. The landing gear application required four 0.093" holes per component drilled to a depth of 0.400". At a production rate of just 240 components per year, our test projected an annual savings of over \$12,000.

	Precision	Competitor
Feed Rate (in/min)	4.970	0.990
Cutting Time / Component (min)	0.320	1.616
Total Time / Component (min)	0.320	30.320
Total Machining Cost / Component	\$0.748	\$50.998
Cost Savings / Year	\$12,060	\$0

Contact your local sales person to see how we can increase your productivity.