



I-Beams and H-Beams: Original T-A®

A customer is a large structural steel and ductwork specialty contractor in the construction industry. They manufacture I-Beams and H-Beams made from structural steel using a Peddinghaus with soluble oil mist coolant. The customer's annual production is over 100,000 tons of steel beams, bars, and ductwork.

The customer wanted to increase productivity while decreasing the overall cost of production.

The **Original T-A** structural steel solution reduced the machine's cycle time and also lowered the cost of production while increasing the overall productivity.



		Measure	Competitor	Original T-A®
Product:	Original T-A®	RPM	350	320
Objectives:	(1) Increase productivity (2) Decrease cost	Speed	109 SFM	99 SFM
Industry:	Structural steel/fabricator	Feed Rate	0.003 IPR	0.011 IPR
Part:	I-beams and H-beams	Penetration Rate	1.05 IPM	3.52 IPM
Material:	Structural steel	Cycle Time	45.7 sec	13.6 sec
Hole Ø:	1.1875"	Tool Life	500 holes	500 holes
Hole Depth:	0.8"			



70% cycle time decrease

▶ Original T-A
Holder: **24020H-004IS100**
Insert: **152A-0106-SS**



The Original T-A provided:

- ✓ Decreased cycle time
- ✓ Decreased cost
- ✓ Increased productivity

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