

NEW

HI-CY HOLDER

BREAKTHROUGH APPLICATION FOR
CRYOGENIC TECHNOLOGY USING LIQUID CO₂



**NEW REVOLUTIONARY WAY
OF MACHINING HARD-TO-CUT MATERIALS**

+40% PRODUCTIVITY

+40% TOOL LIFE

-30% TOOL COST

+ QUALITY SURFACE

+ EFFICIENCY

+ FULLY ATC

Innovative product by Alberti using technology able to deliver cryogenic liquid CO₂ from tank to cutting tool edge.

Retrofittable without any machine modification.

HI-CY HOLDER

NEW REVOLUTIONARY WAY OF MACHINING HARD MATERIALS

PIPE FROM TANK TO STOP BLOCK

COSTUMIZED AND SEALED STOP BLOCK

HI-CY HOLDER / DIFFERENT SHANK AVAILABLE

∅16 mm TOOLHOLDER + SPECIAL MADE CUTTING TOOLS FOR CRYO MACHINING



- NO NEED FOR FILTRATION OR EXHAUST LIQUID COLLECTION
- NO CONTAMINATION ON WORKPIECE (DRY CHIPS)
- GREENER & SAFER

Our partners for the cutting tools



To get the most benefits of the toolholder it's possible to install CRYO LUB by Rother to easily combine and control CO₂ flow and ATS (minimal quantity lubrication).



The liquid CO₂ with 70 bar pressure is conveyed from tank into the stop block and then delivered to the cutting tool edge. The CO₂ turns into gas at -70°C and helps cooling down the area of machining without any waste.



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