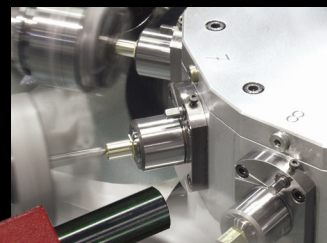
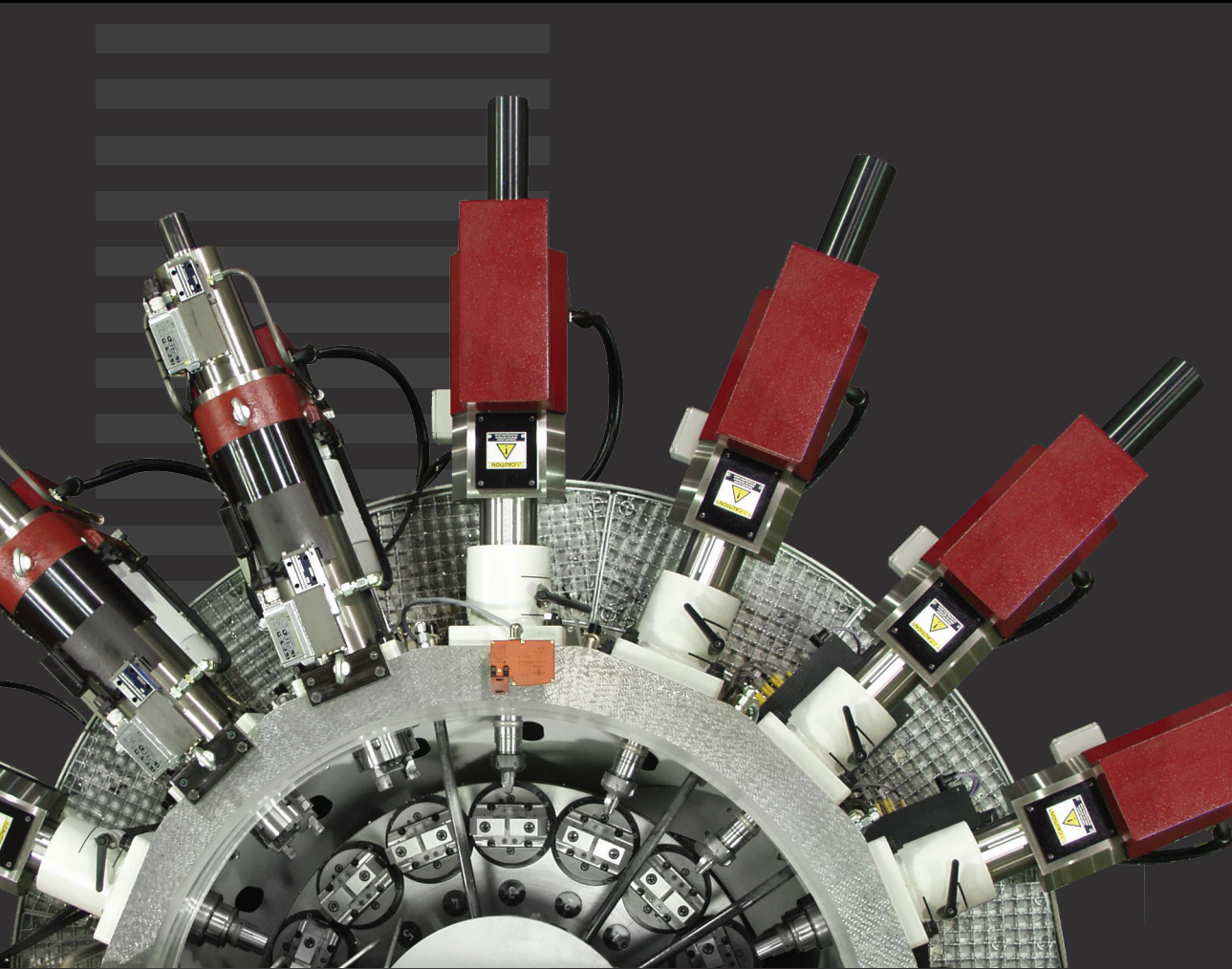


HYDROMAT PROCESSING CAPABILITIES



HYDROMAT[®]



APPLICATIONS CATALOG

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ICON Machine Applications

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AUTOMOTIVE

APPLICATIONS



ALUMINUM - A3004S-H112 - IMPACT BLANK
CYCLE TIME: 5.5 SEC



STAINLESS STEEL - 2205 - BAR STOCK
CYCLE TIME: 11.9 SEC



STEEL - 52100 - COLD FORMED BLANK
CYCLE TIME: 12.7 SEC



STEEL - 1013 - COLD FORMED BLANK
CYCLE TIME: 4.0 SEC



STAINLESS STEEL - 304L - CASTING
CYCLE TIME: 18.2 SEC



STEEL - 1013 - COLD FORMED BLANK
CYCLE TIME: 5.1 SEC



AUTOMOTIVE

APPLICATIONS



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 5.0 SEC



FREE MACHINING STEEL - 1008 - FORGING
CYCLE TIME: 7.0 SEC



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 8.0 SEC



FREE MACHINING STEEL - 1513 - FORGING
CYCLE TIME: 3.5 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 7.0 SEC



FREE MACHINING STEEL - 1513 - FORGING
CYCLE TIME: 3.5 SEC



STAINLESS STEEL - 430FR - BAR STOCK
CYCLE TIME: 4.2 SEC



FREE MACHINING STEEL - 1513 - FORGING
CYCLE TIME: 3.5 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 7.8 SEC



FREE MACHINING STEEL - 1513 - FORGING
CYCLE TIME: 3.5 SEC



ALLOY STEEL - 8620 - PRE-MACHINED BLANK
CYCLE TIME: 7.9 SEC



ALLOY STEEL - 5120 - BAR STOCK
CYCLE TIME: 9.0 SEC



STAINLESS STEEL - 303 - GROUND BAR STOCK
CYCLE TIME: 14.7 SEC



ALLOY STEEL - 1144 STRESS PROOF - BAR STOCK
CYCLE TIME: 7.6 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 4.5 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 9.8 SEC



ALLOY STEEL - 41L40 - BAR STOCK
CYCLE TIME: 12.0 SEC



SINTERED / POWDERED METAL - BLANK
CYCLE TIME: 3.0 SEC



ALLOY STEEL - 41L40 - BAR STOCK
CYCLE TIME: 14.0 SEC



STEEL - 1117 - BLANK
CYCLE TIME: 9.0 SEC

AUTOMOTIVE

APPLICATIONS



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 3.9 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 9.0 SEC



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 5.4 SEC



ALUMINUM - 6061 - BAR STOCK
CYCLE TIME: 3.6 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 10.5



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 5.8 SEC



ALLOY STEEL - 9310 - BAR STOCK
CYCLE TIME: 14.5 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 7.0 SEC



FREE MACHINING STEEL - 12L14 - PRE-MACHINED BLANK
CYCLE TIME: 7.5 SEC



ALUMINUM - 6061-T6 - IMPACT BLANK
CYCLE TIME: 7.0 SEC



ALLOY STEEL - 5120 - PRE-MACHINED BLANK
CYCLE TIME: 8.0 SEC



ALUMINUM - 6061 - BAR STOCK
CYCLE TIME: 9.3 SEC



ALUMINUM - 6005-T5 - EXTRUDED BLANK
CYCLE TIME: 6.6 SEC



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 12.8 SEC



ALUMINUM - 6060-T6 - BAR STOCK
CYCLE TIME: 11.9 SEC



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 10.4 SEC



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 3.5 SEC



ALUMINUM - 6061-T6 - EXTRUDED BAR
CYCLE TIME: 3.5 SEC



ALUMINUM - A30045-H112 - BAR STOCK
CYCLE TIME: 5.7 SEC



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 8.0 SEC

AUTOMOTIVE

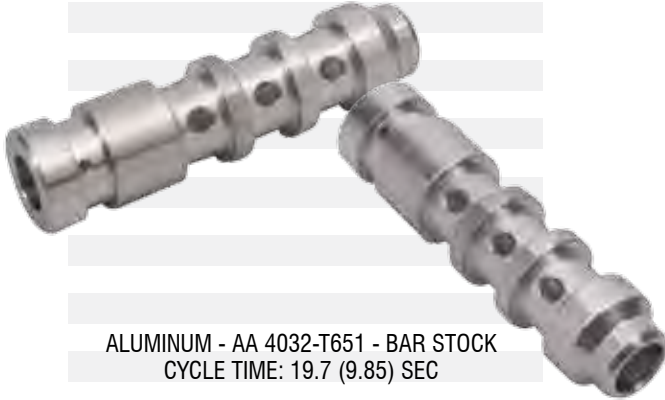
APPLICATIONS



STEEL - 1215 - DOUBLE DRAWN BAR STOCK
CYCLE TIME: 8.0 SEC



STAINLESS STEEL - 302 HQ - COLD FORMED BLANK
CYCLE TIME: 13.0 SEC - DOUBLE PRODUCTION
CYCLE TIME: 6.5 SEC PER PART



ALUMINUM - AA 4032-T651 - BAR STOCK
CYCLE TIME: 19.7 (9.85) SEC



STAINLESS STEEL - 302 HQ - COLD FORMED BLANK
CYCLE TIME: 9.0 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 9.8 SEC



ALLOY STEEL - 8620 L - BAR STOCK
CYCLE TIME: 9.5 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 7.8 SEC



ALLOY STEEL - 8620 - BAR STOCK
CYCLE TIME: 12.0 SEC



ALUMINUM - H5302 - DIE CASTING
CYCLE TIME: 12.0 SEC



STEEL - 4023 - BLANK
CYCLE TIME: 5.8 SEC



STAINLESS STEEL - 2205 - BAR STOCK
CYCLE TIME: 11.9 SEC



ALUMINUM - DIE CASTING
CYCLE TIME: 10.0 SEC



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 12.5 SEC



ALUMINUM - DA3103DB-H18 - TUBE STOCK
CYCLE TIME: 6.6 SEC



STAINLESS STEEL - 2205 - BAR STOCK
CYCLE TIME: 17.0 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 13.9 SEC



ALUMINUM - 6061-T6 - EXTRUDED BAR
CYCLE TIME: 4.2 SEC



ALLOY STEEL - 1541 - CASTING
CYCLE TIME: 10.0 SEC

DEFENSE · AEROSPACE

APPLICATIONS



STEEL - 12L14 - BAR STOCK
CYCLE TIME: 5.0 SEC



STEEL - 4140 - BAR STOCK
CYCLE TIME: 19.5 SEC



STAINLESS STEEL - A-286 - COLD FORMED BLANK
CYCLE TIME: 10.50 SEC



ALUMINUM - 2011 - BAR STOCK
CYCLE TIME: 14.5 SEC



STEEL - 4130 - COLD FORMED BLANK
CYCLE TIME: 10.0 SEC



STEEL ALLOY - WASPALOY - COLD FORMED BLANK
CYCLE TIME: 10.50 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 19.0 SEC



ALUMINUM - 6661-T6 - IMPACT BLANK
CYCLE TIME: 4.9 SEC



STAINLESS STEEL - 17-4 PH - BAR STOCK
CYCLE TIME: 17.0 SEC



ALUMINUM - 7075-T6 - BAR STOCK
CYCLE TIME: 5.40 SEC



ALUMINUM - 6061-T6 - BAR STOCK
CYCLE TIME: 10.0 SEC



STAINLESS STEEL - 17-4 PH - BAR STOCK
CYCLE TIME: 25.0 SEC

ELECTRICAL APPLICATIONS



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 3.0 SEC



COPPER - 110 - BAR STOCK
CYCLE TIME: 5.8 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 7.4 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 7.9 SEC



ALUMINUM - DIE CAST AL/ZINC - CASTING
CYCLE TIME: 7.0 SEC



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 2.8 SEC



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 11.0 SEC

HVAC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 5.9 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 9.8 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 10.8 SEC

RECREATIONAL & SMALL ENGINE

CONSUMER PRODUCTS



ALUMINUM - 7076 T6 - BAR STOCK
CYCLE TIME: 5.8 SEC



STEEL - 4140 - BAR STOCK
CYCLE TIME: 10.0 SEC



ALUMINUM - 2011 - PRE-MACHINED BLANK
CYCLE TIME: 26.7 SEC



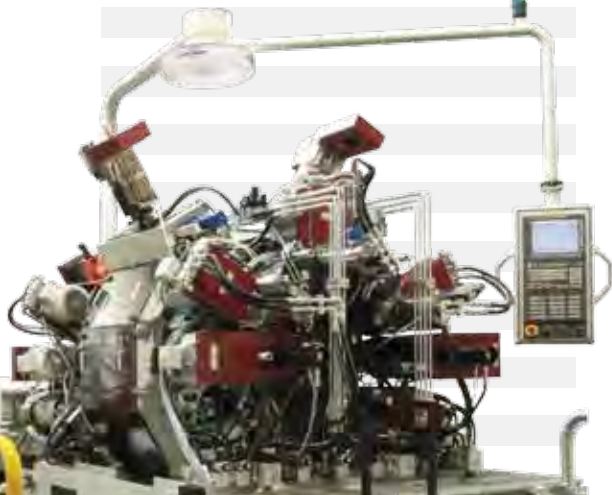
ALUMINUM - H 5023 - BLANK
CYCLE TIME: 6.8 SEC



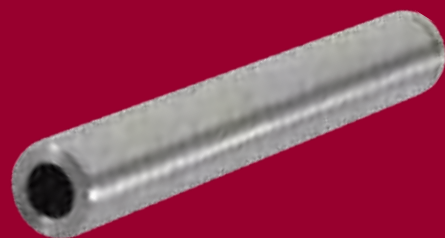
ALUMINUM - 6063 - TUBE STOCK
CYCLE TIME: 23.5 SEC



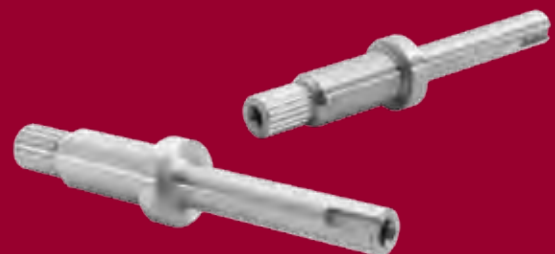
STAINLESS STEEL - 416 - BAR STOCK
CYCLE TIME: 24.0 SEC



MOTORCYCLES



SINTERED / POWDERED METAL - BLANK
CYCLE TIME: 7.9 SEC



ALLOY STEEL - 8620 - BAR STOCK
CYCLE TIME: 24.0 SEC

FITTINGS & CONNECTORS

DIESEL / TRUCK



ALLOY STEEL - 18CRN18 - BAR STOCK
CYCLE TIME: 10.0 SEC



ALLOY STEEL - 8620 - PRE-MACHINED BLANK
CYCLE TIME: 5.5 SEC



ALLOY STEEL - 1144 - BAR STOCK
CYCLE TIME: 14.8 SEC



STEEL - 8620 - GROUND BAR STOCK
CYCLE TIME: 18.1 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 5.0 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 5.0 SEC



BRASS - 360 - EXTRUDED BAR
CYCLE TIME: 5.0 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 4.5 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 5.7 SEC

FITTING & CONNECTOR

APPLICATIONS



FREE MACHINING STEEL - 1214B1 - FORGING
CYCLE TIME: 11.0 SEC



FREE MACHINING STEEL - 12L14 - CASTING
CYCLE TIME: 10.0



FREE MACHINING STEEL - 1214B1 - FORGING
CYCLE TIME: 11.2 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 11.5



ALLOY STEEL - 1144 - BAR STOCK
CYCLE TIME: 20.7 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 11.1



FREE MACHINING STEEL - 12L14 - CASTING
CYCLE TIME: 8.0



STAINLESS STEEL - 316 - BAR STOCK
CYCLE TIME: 20.0 SEC



ALUMINUM - 6262-T6511 - BAR STOCK
CYCLE TIME: 12.6 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 13.0 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 10.0



BRASS - 360 - BAR STOCK
CYCLE TIME: 9.1 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 7.8 SEC



FREE MACHINING STEEL - 1215 - BAR STOCK
CYCLE TIME: 12.0 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 8.0 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 5.4 SEC



ALUMINUM - 6062 - BAR STOCK
CYCLE TIME: 5.7 SEC



FREE MACHINING STEEL - 12L14 - CASTING
CYCLE TIME: 12.0 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 14.5 SEC

PLUMBING



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 6.0 SEC



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 9.0 SEC



STEEL - 1022 - FORGING
CYCLE TIME: 8.0 SEC



STEEL - 1022 - FORGING
CYCLE TIME: 13.0 SEC



STAINLESS STEEL - 430 F - BAR STOCK
CYCLE TIME: 7.3 SEC

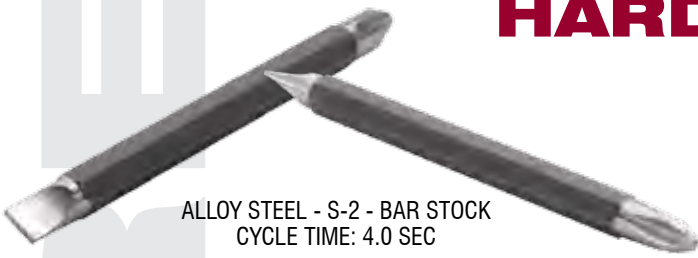


BRASS - 360 - BAR STOCK
CYCLE TIME: 12.9 SEC



BRASS - 360 - PRE-MACHINED BLANK
CYCLE TIME: 9.8 SEC

HARDWARE



ALLOY STEEL - S-2 - BAR STOCK
CYCLE TIME: 4.0 SEC



STEEL - 12L14 - BAR STOCK
CYCLE TIME: 9.8 SEC



STEEL - 10L95 - BLANK
CYCLE TIME: 6.5 SEC



ALUMINUM - 2024 T4 - BAR STOCK
CYCLE TIME: 3.0 SEC



STAINLESS STEEL - 303 - BAR STOCK
CYCLE TIME: 13.6 SEC



FREE MACHINING STEEL - 12L14 - BAR STOCK
CYCLE TIME: 6.9 SEC



BRASS - 360 - BAR STOCK
CYCLE TIME: 7.5 SEC



STAINLESS STEEL - 440 F - BAR STOCK
CYCLE TIME: 6.5 SEC



COPPER - 112 - PRE-CORED BAR STOCK
CYCLE TIME: 2.5 SEC



BRASS - 360 - FORGING
CYCLE TIME: 17.0 SEC



COPPER - 112 - PRE-CORED BAR STOCK
CYCLE TIME: 2.3 SEC

APPLICATIONS



AUTOMOTIVE
STEEL - FORGING
CYCLE TIME: 50.0 SEC



FLUID POWER
BRASS - CASTING
CYCLE TIME: 45.0 SEC



AUTOMOTIVE
IRON - CASTING
CYCLE TIME: 55.0 SEC



AUTOMOTIVE
STEEL - FORGING
CYCLE TIME: 55.0 SEC



AUTOMOTIVE
ALUMINUM - DIE CASTING
CYCLE TIME: 25.0 SEC



SMALL ENGINE
ALUMINUM - DIE CASTING
CYCLE TIME: 30.0 SEC



AUTOMOTIVE
NODULAR IRON - CASTING
CYCLE TIME: 85.0 SEC



AUTOMOTIVE
NODULAR IRON - CASTING
CYCLE TIME: 110.0 SEC



AUTOMOTIVE
IRON - CASTING
CYCLE TIME: 175.0 SEC



INDUSTRIAL
IRON - CASTING
CYCLE TIME: 70.0 SEC



FLUID POWER
ALUMINUM - BAR STOCK
CYCLE TIME: 24.0 SEC



AUTOMOTIVE
ALUMINUM - CASTING
CYCLE TIME: 22.0 SEC



AUTOMOTIVE
DUCTILE IRON - CASTING
CYCLE TIME: 70.0 SEC



AUTOMOTIVE
STAINLESS STEEL - FORGING
CYCLE TIME: 60.0 SEC



AUTOMOTIVE
DUCTILE IRON - CASTING
CYCLE TIME: 118.0 SEC



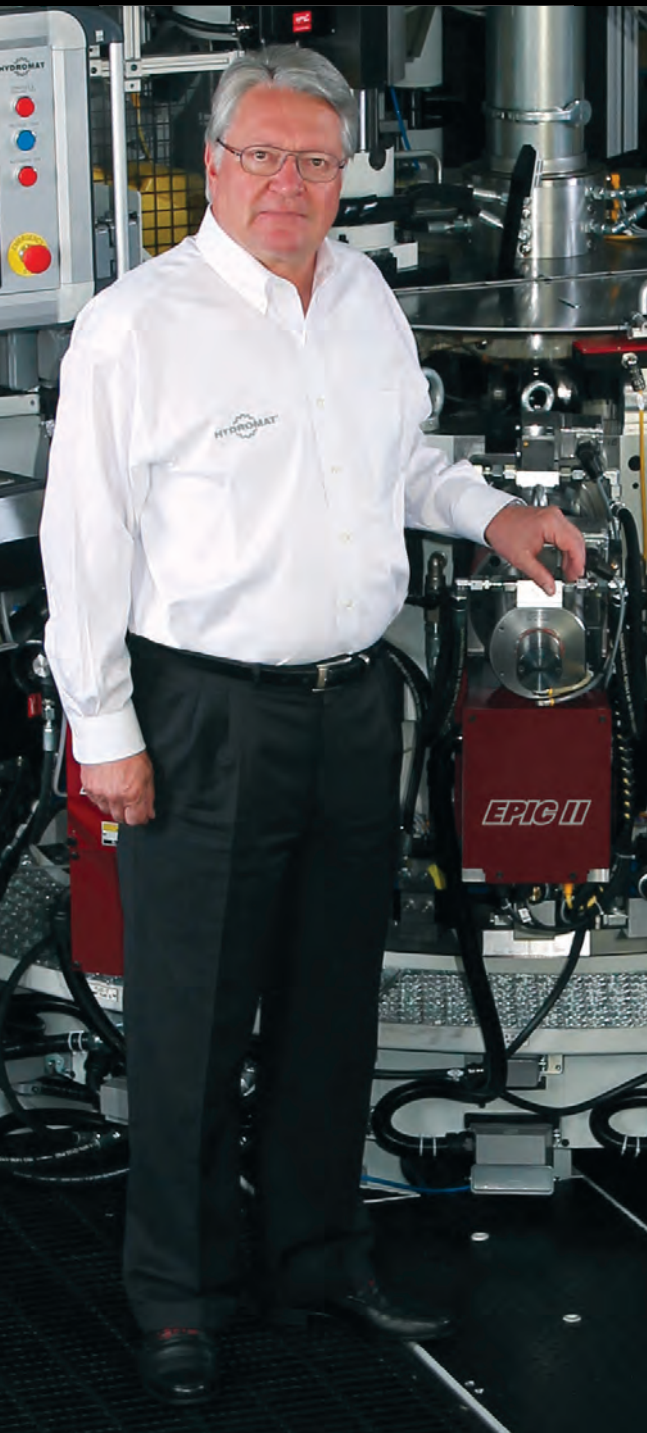
AUTOMOTIVE
ALUMINUM - BAR STOCK
CYCLE TIME: 60.0 SEC



AUTOMOTIVE
IRON - CASTING
CYCLE TIME: 168.0 SEC



AUTOMOTIVE
ALUMINUM - CASTING
CYCLE TIME: 80.0 SEC



“For over three decades we have been building the finest precision Rotary Transfer machines, each a unique machine for a specialized purpose. These pages feature but a small sampling of the part types our customers have manufactured by the millions on Hydromat machines. Today, even more applications are produced faster and cheaper with our newest technologies.”

A handwritten signature in white ink, appearing to read 'B. Schmitter', is written in a cursive style.

Bruno Schmitter
President and CEO
Hydromat



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