



AFM Abrasive Flow Machining



ONE WAY FLOW

With the invention of the Abrasive Flow Machining process, Extrude Hone Corporation developed an entirely new finish machining tool – a plastic, abrasive laden polymer with very special properties that allow it to selectively and controllably abrade surfaces that it flows across. A broad family of these abrasive medias are available to achieve a wide range of results from fine honing to aggressive surface removal.

With standard Abrasive Flow Machining the abrasive media is extruded back and forth through a workpiece. With ONE WAY FLOW Abrasive Flow Machining, the abrasive media flows through the tooling and work-piece in only one direction.

FEATURES and BENEFITS

- + The abrasive media flows through the tooling and the workpiece in only one direction
- + Media exits freely from the part resulting in faster processing
- + Easier cleaning of the workpieces
- + Media cylinder
Available with different size of media cylinders: 8" (200mm), and 10" (250mm)
- + Flexible tooling and media delivery options

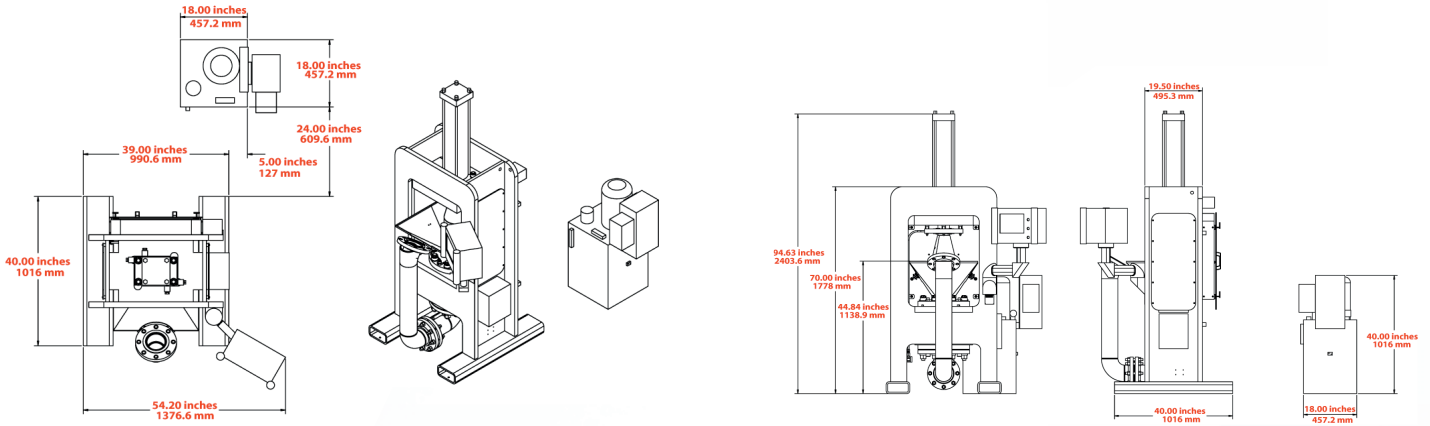




EXTRUDE
HONE®

TECHNICAL INFORMATION

AFM ONE WAY FLOW



ONE WAY FLOW AFM SYSTEM WITH 12" (320 MM) STROKE

Media / Hydraulic Cylinder 10/8" (250/200mm)

Media Volume (per stroke) 980 cu. in. (18 l)

Max Media Pressure 1280 psi (88 bar)

Max Media Flow Rate* 23 GPM (87 L/min)

Standard Hydraulic Power Unit 2000 psi (138 bar)
15 GPM (57 L/min)

ELECTRICAL SPECIFICATIONS

Voltage 230/460 VAC, 3 phase, 60 Hz
400 VAC, 3 phase, 50 Hz

Motor 15 kW

Peak amperage 30 amps

Standard PLC Allen Bradley

STANDARD EQUIPMENT

- Stroke counter
- Cycle complete light and horn
- Start / stop
- Automatic / manual mode
- Advance / retract
- Allen Bradley PLC
- Media displacement counter
- High flow hydraulic power unit

NOTE: Specifications and availability are subject to change without notice.

* Maximum Media Flow Rate measured without tooling