

AFM Abrasive Flow Machining



EASYFLOW

The new machine fits in minimum budgets and delivers maximum performance.

EASYFLOW polishes your dies up to the ultimate performance level. With large capacity, strong hydraulic power, the ability to process large dies, and astonishing simplicity, EASYFLOW brings your production a step forward in competitiveness. Save time and money. Invest now in state-of-the-art economical die polishing machine directly from the inventor of the Abrasive Flow Machining process – Extrude Hone – a name you can trust.

FEATURES and BENEFITS

- + **Media cylinder**
Available with different size of media cylinders: 6" (152.4mm), 8" (203.2mm), or 10" (254mm).
- + **Media stroke**
Stroke is 12.5" (318mm).
- + **Media flow rate and pressure**
Flow rates are between 19 and 53 L/min and pressure up to 2030 psi (140 bar) with 6" (152.4mm) media cylinder.
- + **Clamp system**
Fully hydraulic clamp system with maximum opening of 20" (500mm).
- + **Control panel**
Equipped as standard with Siemens control and 7" Siemens touch screen.





TECHNICAL INFORMATION

AFM EASYFLOW



MACHINE SPECIFICATIONS

Dimensions:

Machine body (W x D x H)	1330 x 1900 x 2300mm (52x 75 x 91")
Cylinder head up (W x D x H)	1330 x 1900 x 2600mm (52 x 75 x 102")
Weight	2300 kg (5070 lbs)
Table height	1040mm (41")
Working area surface (W x D)	800x 765mm (31.5 x 30")
Maximum weight supported by the table	300 kg (660 lbs)

Clamping System:

Stroke	508mm (20")
Max opening	500mm (19.7") without tooling plates
Min opening	0mm without tooling plates
Working distance between clamp columns	800mm (31.5")

Media System:

	150	200	250
Media cylinder diameter	152.4mm (6")	203.2mm (8")	254mm (10")
Media stroke length	318mm (12.5")		
Media capacity	6 l/11 kg (366 cu.in.)	10.5/19.3 kg (640.7 cu.in.)	17 l/31.4 kg (1037.4 cu.in.)
Max media pressure	140 bar (2,030 psi)	78 bar (1131 psi)	50 bar (725 psi)
Min media pressure	10 bar (145 psi)	6 bar (87 psi)	4 bar (58 psi)
Media flow rate	19 L/min (5 GPM)	34 L/min (9 GPM)	53 L/min (14 GPM)

Hydraulic Unit:

Maximum pressure	140 bar (2,030 psi)
Pump flow rate	22L/min (5.8 GPM)
Tank capacity	100 l (26.4 gal)

ELECTRICAL SPECIFICATIONS

The machine is PLC controlled with Siemens S7-1200. Equipped with 7" TP700 touch screen interface from Siemens. Electrical (EU and Asia) 400 VAC, 3 Phase +N +PE, 50 Hz. Electrical (North America) 230/460 VAC, 3 Phase, 60 Hz. Control 24VDC. Installed power/amperage peak 6 kVA/15A. Status light: Red – Amber – Green

MACHINE FEATURES

Strong welded frame with large table working area. Built-in hydraulic group and electric cabinet at the rear. Aluminum cooling wraps around top and bottom media cylinders (to be connected to a cooling unit not included). Cycle and volume media parameters, manual pressure adjustment.

AVAILABLE OPTIONS

Chiller unit.
Table or stand alone blowing unit.
Table ultrasonic unit.
Media cylinder size: 6" (152.4mm), 8" (203.2mm), or 10" (254mm).



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