

wifag//polytype group

Metal Forming Impact Extrusion Presses



for technical parts

mall//herlan

Metal Forming

Impact Extrusion by mall//herlan



The advantages of our presses are:

- // low tool costs as compared to other processes
- // high accuracy of finished products
- // maximum possible approach to the final product shape
- // compression of the material and thus hardening of the products
- // smooth product surface
- // greater economic efficiency due to optimisation of transformation in one operation
- // high working speed
- // great variety of product configurations possible
- // no welding and soldering seams necessary

Metal Forming Impact Extrusion Presses

We have been building impact extrusion presses for over 100 years. Thanks to continuous developments and upgrades, our present product range comprises presses with press loads of 1.600 to 12.000 kN. They are used whenever easy changeovers, automatic operations and, simultaneously, high output are required. In impact extrusion, the material starts to flow under the high and rapidly increasing pressure of the punch creating the final product.

Technical data metal forming presses

Type	MF1600	MF4000	MF4000B*	MF6000B*	MF10000	MF12000
Max. extruded length mm	260	275	275	325	350	520
Max. stroke length mm	400	375	380	440	450	675
Max. speed pieces/min.	200	200	250	180	60	30
Nominal press force kN	1.600	4.000	4.000	6.000	10.000	12.000
Approx. net weight kg	11.000	17.000	22.000	31.000	55.000	100.000

* special presses for the production of battery cases for the automotive industry

Special features

- // Sturdy frame, separate from the drive housing, for absorbing the extrusion loads; both parts made of spheroidal graphite iron
- // Compact drive of the crankshaft via pneumatically controlled clutch-brake unit with spring loaded disc brake to allow controlled or immediate stops
- // Speed-variable drive, creeping speed and facility for switching to reverse motion to facilitate the setting of the tooling
- // Electromotive punch adjustment for correcting the bottom thickness during production
- // Swing-off type slug feed and stripper frame of the take-off unit, resulting in short set-up times and simple size-part changes, optimized for high speed production
- // Automatic permanent circulatory lubrication system with filter and additional offline filter system
- // Take-off unit operating in absolute synchronism with the outfeed conveyor, ensuring trouble-free transfer of the products even in case of short extrusions and maximum stroke rates
- // Automatic slug infeed system

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