

ME*/*G Series
HOT FORGING HYDRAULIC PRESSES

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ME Series hydraulic presses for hot forging of pieces in brass, aluminum and other materials. The press is equipped with a punches-holder tool for coring horizontal holes; these coring punches are mounted on heat treated guided slides, and are capable of offset coring in relation to the axis of the punch thrust. The starting position of the punch into the billet is accurate, as a positive stop determines the punch retract position.

Each punch is independently operated, with adjustable punch stroke, start time, speed and retract.

In the design phase all elements were studied for efficiency to reduce to a minimum the pumps and motor power required. As a result the G series punches-holder slides are actuated by HY-ME system, that is patented.

Independent control of position and speed of each punch slide.

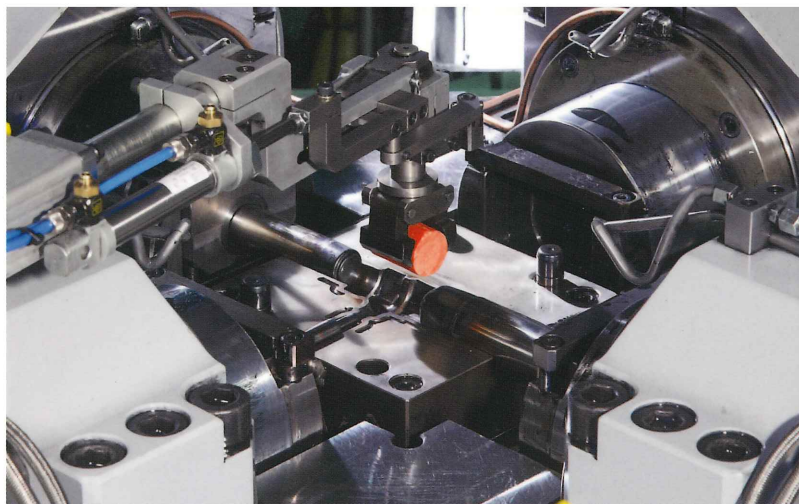
Variation of all parameters from touch screen video on operator's panel.

Ejectors can be mounted in either upper or lower die.

Automatic feeding of billets from the furnace. Automatic unloading to two separate chutes one for good and one for bad parts.

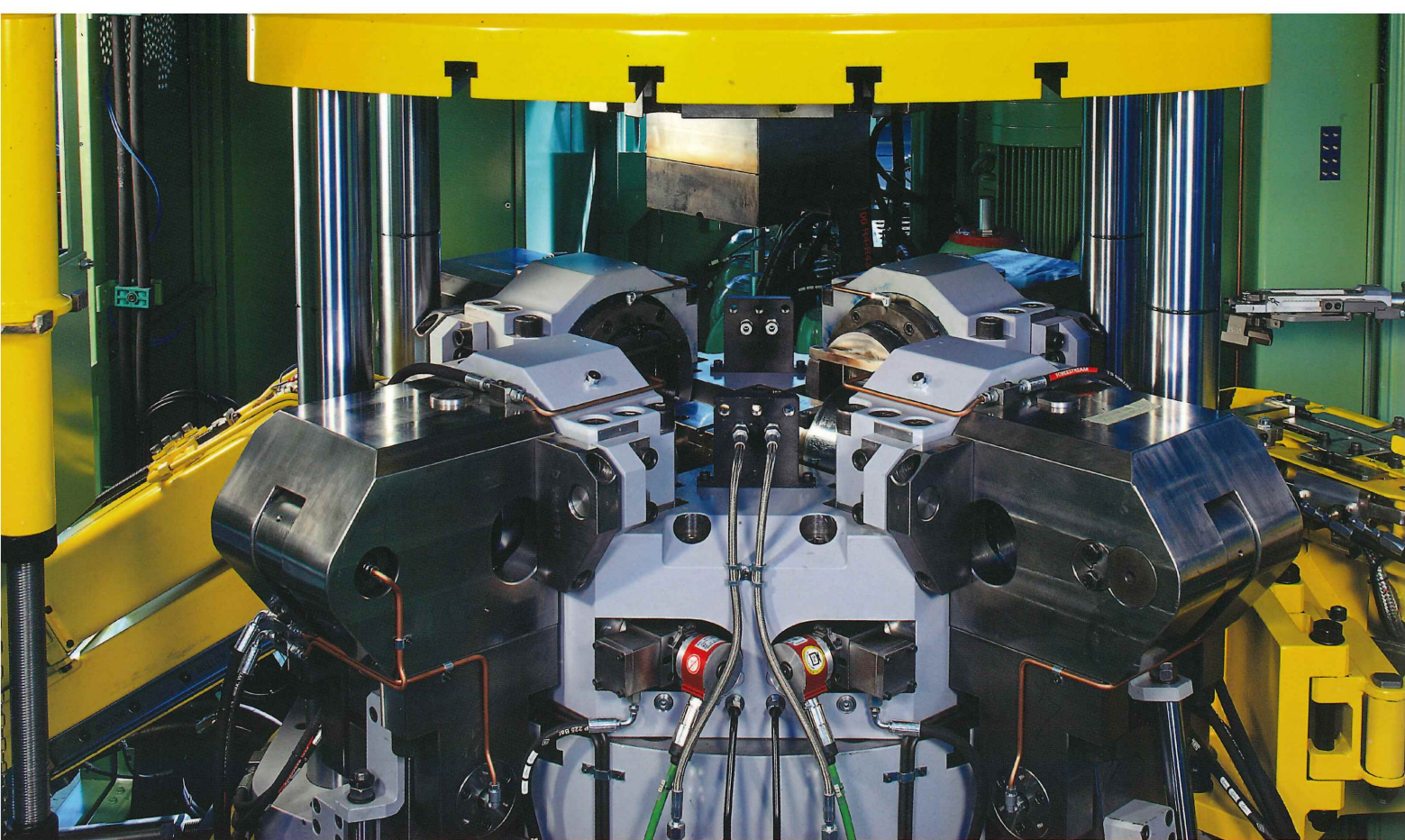
Electrical system according to international standards.

The machine can be connected to ETHERNET making it possible to connect the digital components via internet for teleservice.



ADVANTAGES

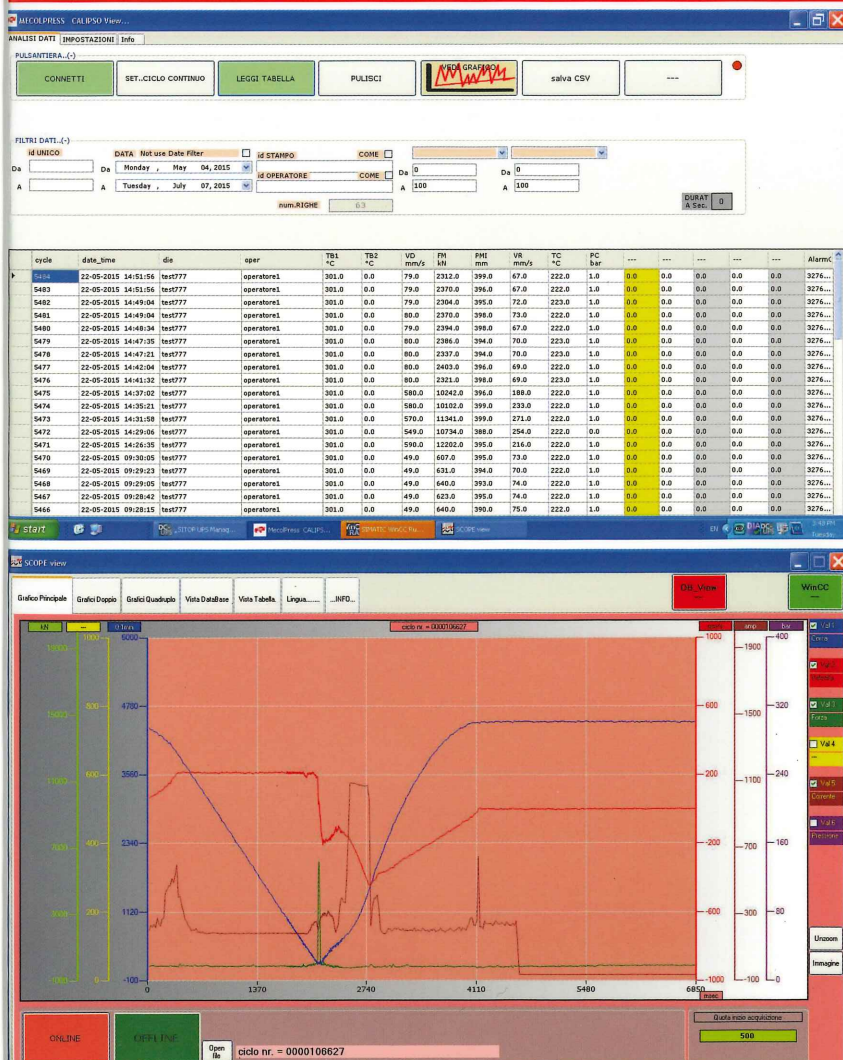
- Lower costs ●
- Low environmental impact with reduced vibration and noise ●
- No foundations are required, so it can be easily moved ●
- Easier to obtain flash-free forged pieces ●
- High flexibility related to the total independence of hydraulic extruders in terms of cycle time, speed, position, and strength ●
- Automatic loading and unloading with innovative concepts ●



CHARACTERISTICS

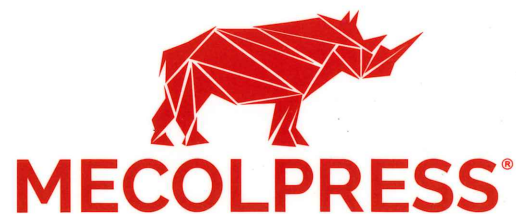
ME	kN	mm	Nr.	mm	kN	mm	nr/min.	mm	mm	mm
ME100/3L30	1000	260	3	70	300	205x205	34	2.300	5.800	3.500*
ME100/4L30	1000	260	4	70	300	205x205	30	2.000	4.000	3.500
ME150/4G62	1500	300	4	76	620	245x245	26	2.600	4.400	3.908
ME250/4G100	2500	340	4	79	1.000	290x290	20	3.126	5.100	4.450
ME250/4G180	2500	340	4	79	1.800	290x290	20	3.130	5.600	4.360
ME350/4G240	3500	360	4	108	2.400	350x350	16	4.720	6.150	5.170
ME500/4G350	5000	400	4	130	3.500	350x350	12	7.000	6.900	6.300
Model	Capacity	Max. stroke	Horizontal punches	Punches max. stroke	Punches Capacity	Dies Max Size	Max. number of strokes	Machine dimensions Width	Machine dimensions Length	Machine dimensions Height

On all machines with 4 horizontal punches, it is possible to mount a lower vertical punch, to have up to 5 independent coring axis.
 * Dimensions including bar heating furnace



SPC Statical Process Control

Mecolpress software to collect and record in real time, at high speed, the main process data. Important instrument for the final user to evaluate the forging process and get an help to solve the various problems that can occur during forging. For each machine cycle the data can be displayed as numerical or graphical mode. All data are stored in HD.





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HYDRAULIC PRESSES
TRIMMING PRESSES
KNUCKLE JOINT PRESSES
FRICTION SCREW-PRESSES
ELECTRIC DRIVE SCREW-PRESSES
AUTOMATION



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