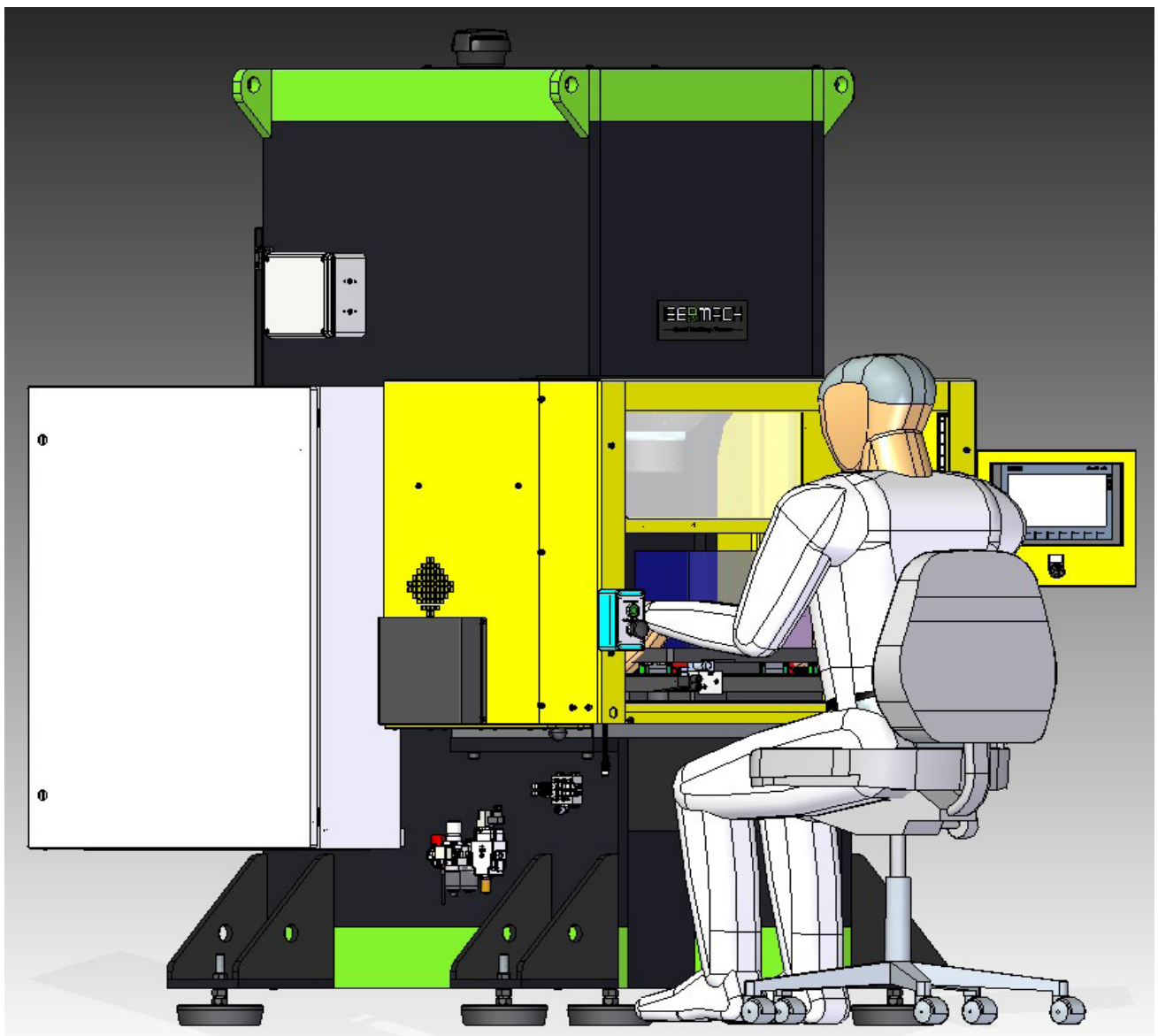


# IBERMACH

— *Special Machinery / Presses* —





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## SPECIAL PRESSES (SERIE SP)

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COMPLETE CELL
HORIZONTAL
WITH AUTOMATIC LOADING AND UNLOADING
SERVO-PRESSES
PUNCHING MACHINE
BROACHING MACHINES
TAYLOR MADE - BESPOKE SOLUTIONS

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## GROUP INFORMATION

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UBICATION
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# PRESSES

## TRADITION AND INNOVATION HYDRAULIC PRESSES

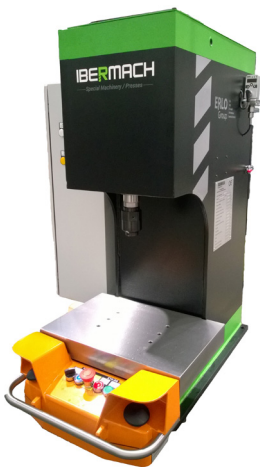
Since 2013, after **acquiring and integrating** the **knowledge, technology and equipment** of one of the most renowned companies of hydraulic, **LIZUAN, IBERMACH Special Machinery, S.L.** takes over and **adds to its portfolio** this **new range of products**.

Providing greater added value, we have applied our own experience in machine tool design and manufacturing to various sectors and processes.

The **IBERMACH** presses **range** from standard to special presses, highlighting our **flexibility** in modifying and **adjusting our standard presses to the needs of the customer**.

## Machine range

BENCH TYPE



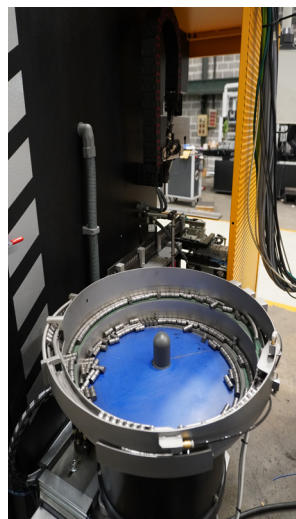
ROTARY PLATE



OPEN GAP



AUTONOMOUS LOAD  
AND UNLOAD



4 COLUMN



BROACHING MACHINE



MONOBLOCK



HORIZONTAL



# Sectors and applications



Automotive Sector



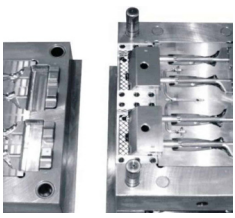
Foundry



Construction



energy



Mold adjustment



Household



Lock market



White Goods

## Applications

Drawing

Cold and hot stamping

Cutting

Forge

Calibrating

Deburring

Forming

Broaching

Punching

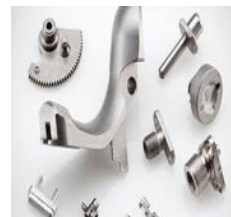
# Materials



Steel and Iron



Stainless steel



MIM



Aluminium

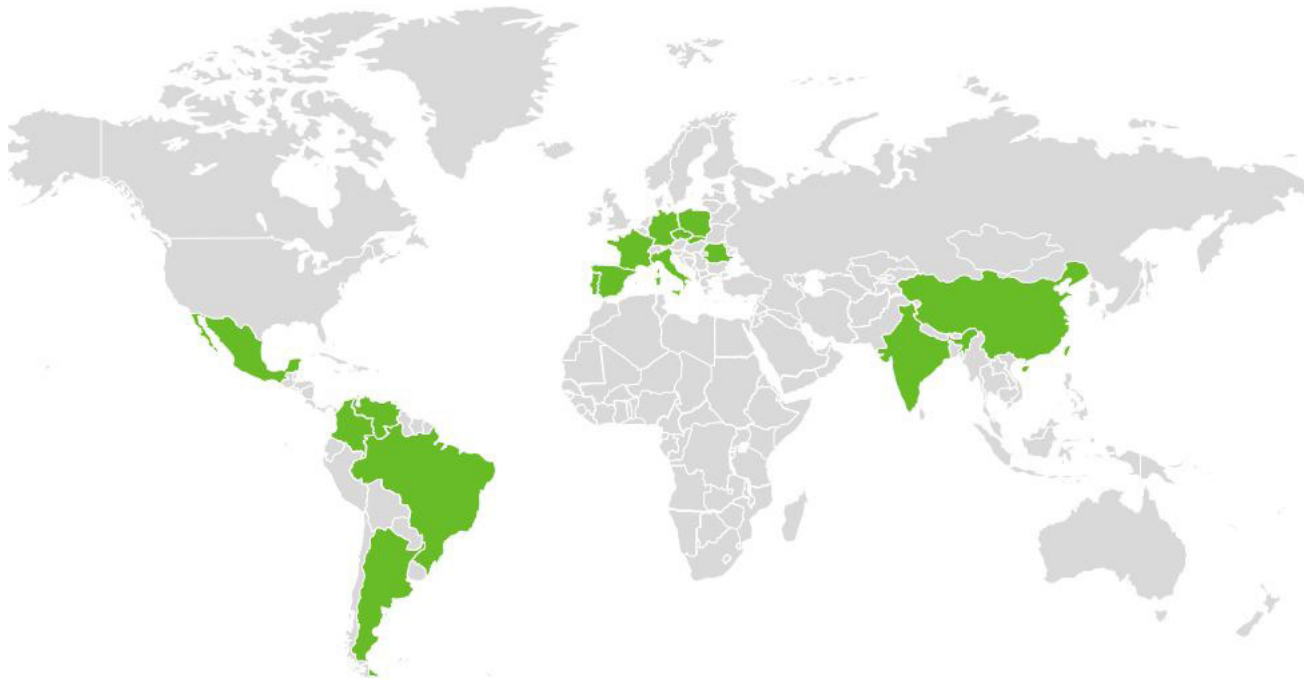


Foundry



Plastic and others

# IBERMACH worldwide presence



## Clients worldwide

### SPAIN

CIE Denat  
Alfa Mim-Tech  
Mecanizados Zuloaga  
Gestamp  
AMM Metaldyne

### PORTUGAL

Deibar  
Valdemar Santos Cifial  
Tupai  
Cortimetal  
Portcast  
Sousa & Pombo  
Miralago  
Incoagueda  
Jasil  
Almeida Abrantes  
Urfic  
ATZ Automatizadora

### GERMANY

BorgWarner  
Stop-Choc  
Gienanth  
P&B  
Metaldyne  
CMO Clezardin  
Smoc Industries  
Sudec  
Terrier  
JTC systems

### CHECA Rep.

CIE Metal  
CIE Unitools Press  
CZ Eika  
Formtrade  
Copreci CZ  
CIE Norma  
KYB Manufacturing

### ROMANIA

CIE Matricon

### SLOVAKIA

Mar SK

### ITALY

Infun For

### INDIA

Brakes India  
Bajaj  
Bellota

### MÉXICO

GAT México  
CIE Celaya  
Copreci  
Stamping & Wheels

### COLOMBIA

Bonem  
Zubiola

### BRASIL

Autocom

Gestamp

### ARGENTINA

JMA A. Altuna  
Demaida

### VENEZUELA

Nardi

### POLAND

Leiber



# Innovation

We **collaborate** with **reference technological centers**, promoting continuous innovation in our solutions. **Ideko S. Coop, Tecnalía and Ikerlan (all BRTA members)** are some of the technological centers that ERLO Group maintains a close collaboration relationship.

**New range of presses with proportional hydraulic** incorporada a nuestro catálogo de soluciones estándar.

Proportional hydraulics is an application of hydraulics where pressure, flow and flow direction can be controlled by electronic means. This are some of the **benefits** of this new system:

1. Allows making **any type of change** in preasure and flow **from the control panel**.
2. **Manual adjustments are eliminated** for stroke, pressure, position, etc.
3. System capable of programing **infinite number of “recipes”**.
4. **Fast and easy adjustable** program that does not requiere of highly qualified personnel.
5. Sytem that **ease the use of the press** for the worker.
6. Hydraulic group integrated in the press.
7. Etc.





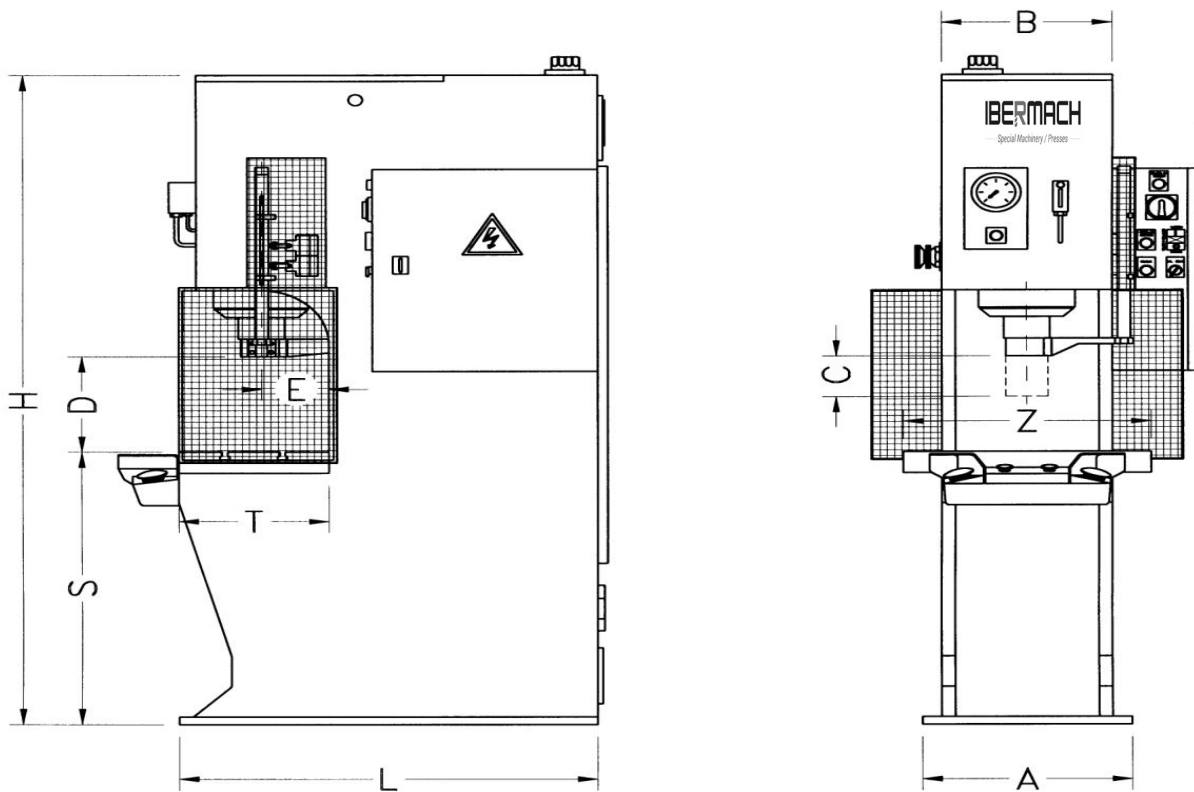
## OPEN GAP presses

### CHARACTERISTICS

This range of presses is used by our customers to debur, cut, mount rubber-metal elements, punch, calibrate, straighten, etc. It is the simplest and most widespread type of press, which we manufacture in a wide variety of strength capacity, structuring your bench according to the effort to make.

1. Automatic synchronization of the speed of approach to the work and course regulation, through tactil screen.
2. Automatic shooting and recoil, both by stroke achieved and by weighed pressure.
3. Selector for automatic or manual cycle.
4. Electrical part with programmable automaton.
5. Hydraulic unit integrated in the press.
6. Cycle counter.
7. Emergency stop button with total machine immobilization.
8. Safety barriers





\*The dimensions shown are standard. Don't hesitate to ask for taylor made construction.

## TECHNICAL CHARACTERISTICS

		35t	75t	100t	150t	250t
Force	KN	350	750	1000	1500	2500
Heigh E	mm	150	175	175	200	200
Stroke C	mm	200	200	200	200	200
Light D	mm	380	380	400	450	450
Table depth T	mm	350	395	400	450	450
Table width Z	mm	525	610	650	700	750
Table height S	mm	950	930	930	950	950
Total height H	mm	2200	2225	2300	2400	2450
Width B	mm	400	440	480	600	750
Base width A	mm	500	550	600	800	1000
Base lenght L	mm	950	1100	1200	1300	1450
WORKING CONDITIONS						
Approach	mm/s	140	135	135	120	120
Work	mm/s	12	8	5	5	5
Setback	mm/s	90	80	70	70	90
Power	kW	4	5,5	5,5	7,5	15

\* The table shows indicative dimensions of the largest press within the range. The measures can be tailored to the needs of each customer according to demand

\* Measurements may vary without notice. Request the updated drawing in each case.

## 4 COLUMN presses

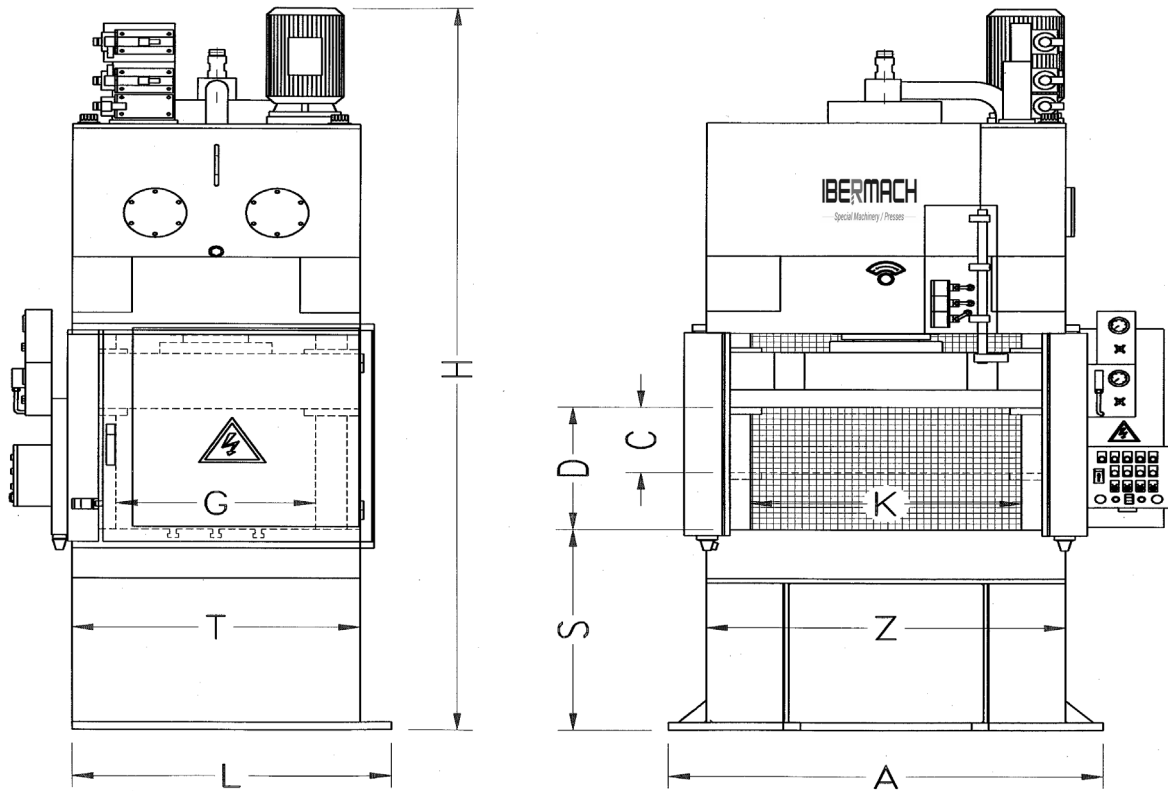


### CHARACTERISTICS

The 4-column presses offer a great rigidity-to-speed ratio. They are mostly used with pressure capacities above 25 tons onwards. Its advantage lies in the fact that its four-column, one-piece guided treader offers excellent guidance in operations where the closure of the die is key in the process result.

Another great advantage is that used in models specifically prepared for aluminum rebate and Zamac, where work speeds play a relevant role.

1. Automatic synchronization of the speed of approach to the work and course regulation, through tactil screen.
2. Automatic shooting and recoil, both by stroke achieved and by weighed pressure.
3. Selector for automatic or manual cycle.
4. Electrical part with programmable automaton.
5. Hydraulic unit integrated in the press.
6. Cycle counter.
7. Emergency stop button with total machine immobilization.
8. Safety barriers



\*The dimensions shown are standard. Don't hesitate to ask for taylor made construction.

## TECHNICAL CHARACTERISTICS

		30t	60t	100t	150t
Force	KN	300	600	1000	1500
Stroke C	mm	300	300	300	300
Btwn column. G	mm	400	450	500	550
Btwn column. K	mm	600	700	800	850
Light D	mm	500	550	600	600
Table depth T	mm	600	650	750	850
Table wide Z	mm	800	900	1050	1150
Table width S	mm	900	900	900	900
Total height H	mm	2800	3000	3200	3250
Total width A	mm	940	1040	1200	1300
Base length L	mm	670	720	825	925
WORKING CONDITIONS					
Approach	mm/s	140	135	130	135
Work	mm/s	12	10	8	7
Setback	mm/s	80	82	86	97
Power	kW	4	5,5	7,5	11

\* The table shows indicative dimensions of the largest press within the range. The measures can be tailored to the needs of each customer according to demand

\* Measurements may vary without notice. Request the updated drawing in each case.

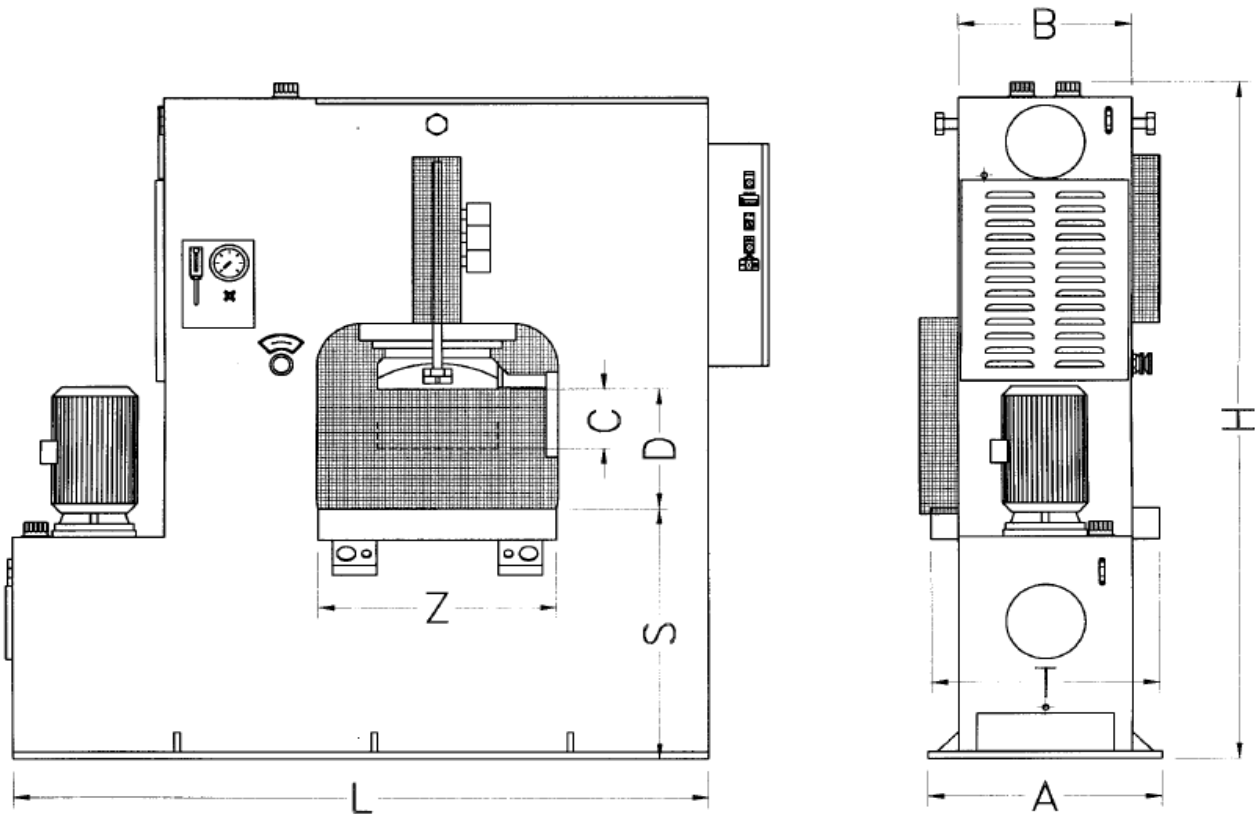
# MONOBLOCK presses



## CHARACTERISTICS

The Monoblock structure with two closed sides but simple construction is the success of this type of press. With the option of working with lower, upper cylinder or a combination of both. Our customers request these presses with “hot plates” for vulcanizing operations, curing of rubber, manufacture of O-rings, etc. although their application can be very varied.

1. Automatic synchronization of the speed of approach to the work and course regulation, through tactil screen.
2. Automatic shooting and recoil, both by stroke achieved and by weighed pressure.
3. Selector for automatic or manual cycle.
4. Electrical part with programmable automaton.
5. Hydraulic unit integrated in the press.
6. Cycle counter.
7. Emergency stop button with total machine immobilization.
8. Safety barriers



\*The dimensions shown are standard. Don't hesitate to ask for taylor made construction.

## TECHNICAL CHARACTERISTICS

		30t	60t	100t	150t	200t	250t
Force	KN	300	600	1000	1500	2000	2500
Stroke C	mm	200	200	200	200	200	200
Light D	mm	300	380	400	450	450	450
Table depth T	mm	400	450	500	550	600	650
Table width Z	mm	500	550	650	750	800	850
Table width S	mm	950	920	900	900	900	900
Total height H	mm	1925	2210	2280	2300	2330	2350
Width B	mm	400	425	500	550	600	650
Total width A	mm	550	575	650	700	750	800
Length L	mm	1400	1550	1700	1800	1900	2000

### WORKING CONDITIONS

Approach	mm/s	140	135	135	120	120	120
Work	mm/s	12	10	5	5	6	5
Setback	mm/s	80	82	60	67	95	89
Power	kW	4	5,5	5,5	7,5	11	15

\* The table shows indicative dimensions of the largest press within the range. The measures can be tailored to the needs of each customer according to demand

\* Measurements may vary without notice. Request the updated drawing in each case.



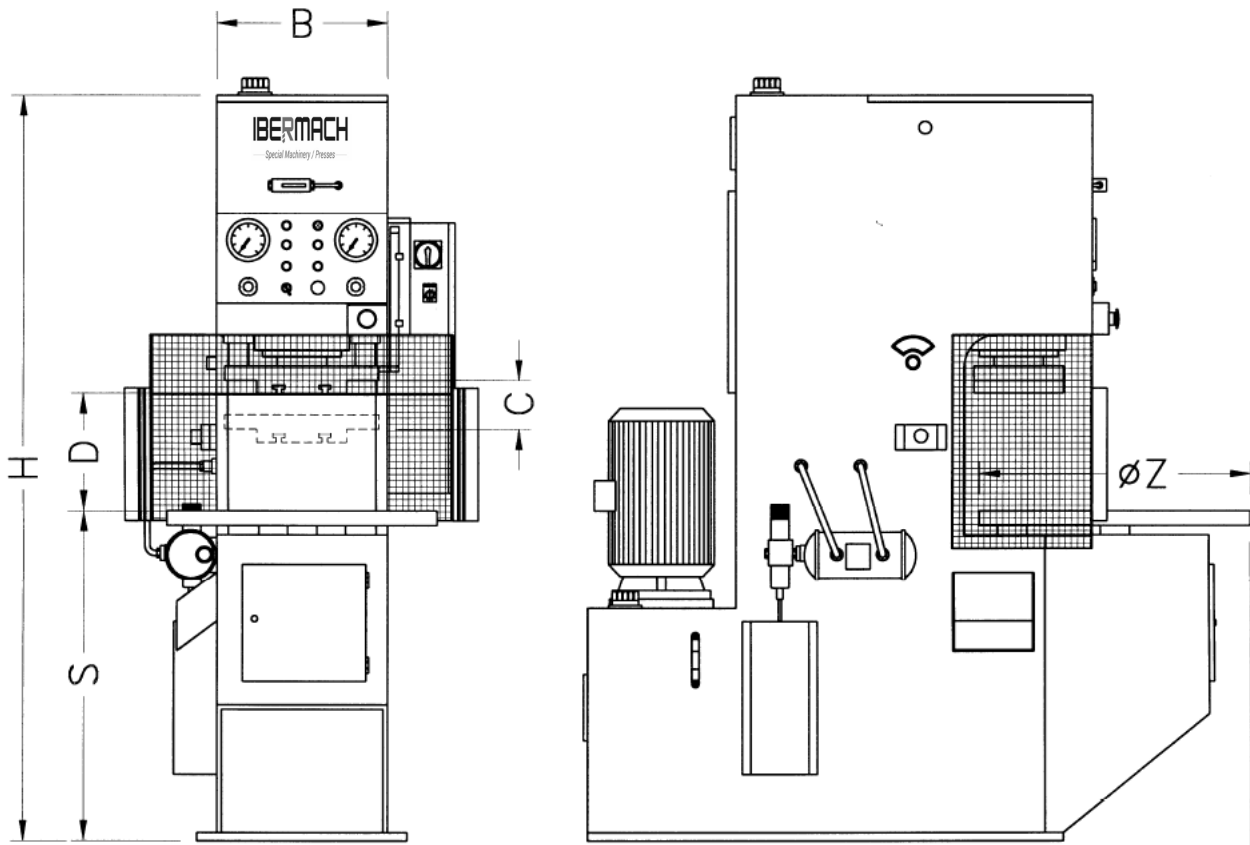


## ROTARY PLATE presses

### CHARACTERISTICS

The function that best defines this type of press is productivity. With the rotary plate we can load and unload parts while the cylinder is working, unlike other presses where we must wait for the complete cycle to end. We can make the parts unload themselves when pressing them, let a robot load and unload them or leave them in the hands of the operator.

1. Automatic synchronization of the speed of approach to the work and course regulation, through tactil screen.
2. Automatic shooting and recoil, both by stroke achieved and by weighed pressure.
3. Selector for automatic or manual cycle.
4. Electrical part with programmable automaton.
5. Hydraulic unit integrated in the press.
6. Cycle counter.
7. Emergency stop button with total machine immobilization.
8. Safety barriers



\*The dimensions shown are standard. Don't hesitate to ask for taylor made construction.

## TECHNICAL CHARACTERISTICS

		25t	40t	60t	80t	100t
Force	KN	250	400	600	800	1000
Stroke C	mm	120	200	200	200	200
Light D	mm	285	350	350	400	400
Table diameter Z	mm	660	1000	1000	1200	1200
Table width S	mm	1000	1000	1000	1000	1000
Total height H	mm	2100	2200	2330	2400	2425
Width B	mm	450	500	525	550	600
Base width A	mm	570	640	665	700	750
Base length L	mm	1330	1460	1460	1680	1680
Total length T	mm	1750	2160	2160	2380	2380
WORKING CONDITIONS						
Approach	mm/s	150	150	150	150	150
Work	mm/s	48	30	20	20	16
Setback	mm/s	190	150	177	135	175
Power	kW	11	11	11	15	18,5

\* The table shows indicative dimensions of the largest press within the range. The measures can be tailored to the needs of each customer according to demand

\* Measurements may vary without notice. Request the updated drawing in each case.

# SPECIAL PRESSES

Based on the extensive experience of our Technical Department, we offer a wide range of special solutions adapted to the requirements of our customers.

Check out some of our solutions:

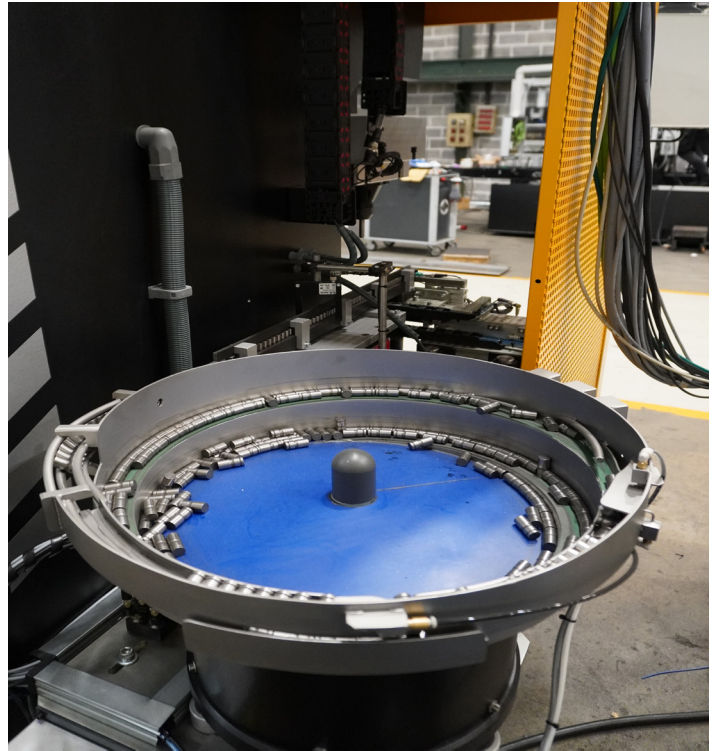


Complete cells for drilling and pressing

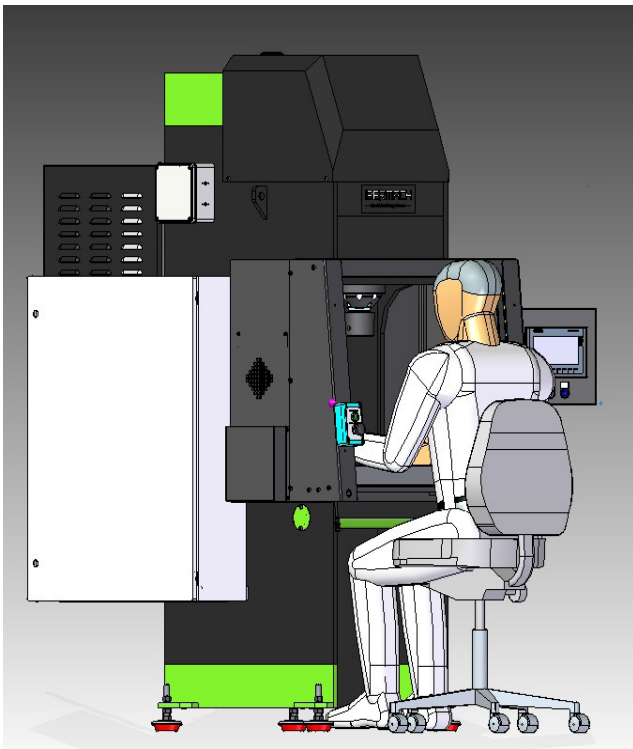


Horizontal and vertical presses for big dimensions





With automatic loading and unloading



Taylor made designs



Broaching machines







## WHERE ARE WE

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Ero  
Iberdrill  
Ibermach  
Ero Service

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