

TECHNICAL DATA/MODEL	XPress 300	XPress 420	XPress 560	XPress 700	XPress 900
Clamping force	kN	3.000	4.360	5.850	7.500
Clamping force	Ton	306	445	597	765
Injection dynamic force(2 nd phase)	KN	163	181	212	246
Injection force with 0 bar counterpressure	kN	419	457	531	615
Injection force with 20 bar counterpressure	kN	382	417	483	550
Ejection force	kN	157	246	246	385
Max.die height	mm	650	700	800	900
Min.die height	mm	250	250	300	400
Platens dimensions HxV	mm	860x860	1019x1019	1.160x1.160	1.300x1.300
Tie bar spacing	mm	560x560	669x669	760x760	840x840
Movable platen stroke	mm	460	600	700	780
Ejection stroke	mm	105	140	165	175
Injection stroke	mm	450	500	600	650
Max. injection velocity(without alloy)	m/s	8,5	8,5	8,5	8,5
Min.-Max.sleeve diameter	mm	50 70	60 80	70 90	80 100
Max. shot weight (Al alloy) with 65% sleeve filling up and 95% of injection stroke	kg	1,5 2,9	2,4 4,2	3,9 6,4	5,4 8,5
Working pressure	bar	160	160	160	160
Servo Pump Rating Power	KW	0~29	0~55	0~55	0~57
Machine weight	Ton	11	17	22	29
Machine dimensions(LxWxH)	m	5,5x2,2x2,6	7,4x2,75x2,8	8,2x2,9x2,9	8,75x2,9x3
					9,7x3,1x3,5

We reserve the right to make any technical improvement without further notice.



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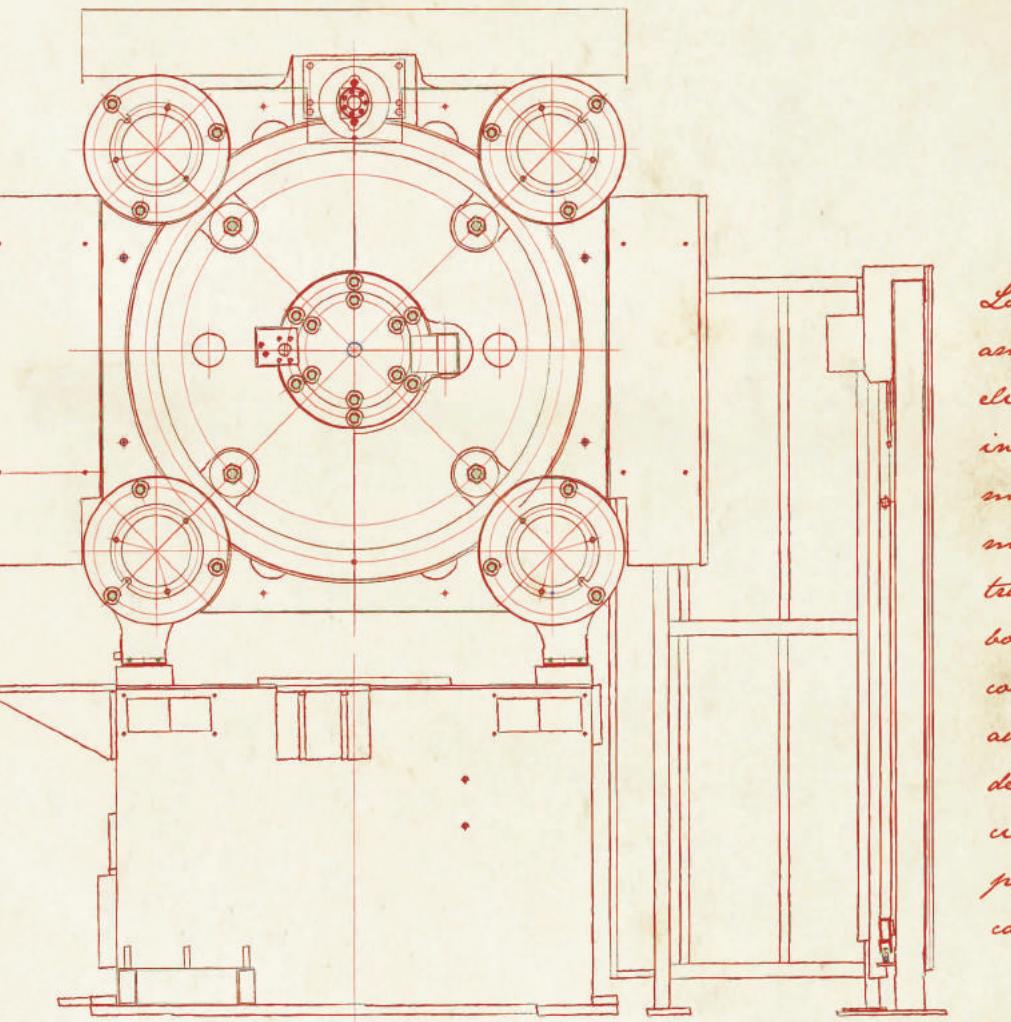


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Discover the Project

Xpress series is the latest model from IDRA, Introducing Italian design and technology into Asia market, providing Italian high-end technology for more users.



SAFETY DEVICE

- Standard safety devices includes:
- CE marked hydraulic die close safety device, to prevent accidental die closing;
- Injection safety guard with interlock;
- Fully enclosed guarding inclusive of front and rear safety doors;
- Interlocks monitored safety device providing alerts and ensuring safe working conditions.

TIE BAR EXTRACTION

- Manual or hydraulic (optional) tie bar extraction for rapid die change.

CONTROL PANEL

- Intuitive user interface with color touch screen allows direct settings without requiring much effort on practicing;
- Saving of die setting information allows fast die change with smart die height adjustment and QDCS for customers require frequent die changing;
- Graphical user interface for easy setup; Built-in Injection curve for analyzing technical data and manufacturing adjustment User help interface and program extension function are available on screen;
- Standardized peripheral control interface for controlling both DCM and peripherals on one screen.

INJECTION UNIT

- Stable and intelligent IDRA injection control system;
- Phase 1: Stable slow injection phase with multipoint setting to increase flexibility;
- Phase 2: Fast injection phase with high injection speed provides better cavity filling and good casting quality. Includes multipoint setting allows injection braking;
- Phase 3: IDRA intensification system allows pressure adjustment and fast acceleration;
- Flexible adjustment of injection speed and intensification pressure;
- Non-contact digital injection stroke monitoring for precise monitoring of plunger position;
- Strong and reliable European injection system with injection tie-bars allows multiple shot position.

CONTROL SYSTEM

- Stand-alone cabinet avoids electronic components being affected by machine vibration;
- Siemens controller provides reliable, advanced and high speed calculation control;
- Integrated cooling system ensures stable operating conditions;
- Standard interfaces for fast, simple connection of peripherals.



DRIVE UNIT

- Powerful and reliable hydraulic system with servo device, providing strong movement with reduced power usage;
- Low noise hydraulic driving system, providing extremely quiet low speed operation;
- Advanced cooling system with energy saving device, maintaining optimal operation conditions with reduced cooling water consumption;
- State-of-the-art filtering system ensuring hydraulic system cleanliness for continuous operation;
- Suitable for all standard hydraulic fluids including mineral oil, water glycol, etc.

CLAMPING UNIT

- Traditional European design with 3-platen toggle system provides stable clamping force;
- Chrome-plated tie bars with excellent tensile properties to ensure sustainability;
- Perfectly balanced tie-bars at any die height setting;
- Improved electrohydraulic control system ensures smooth die clamping;
- Smart die height adjustment simplifies die changing by adjusting die height automatically;
- Double ejection hydraulic cylinder for uniform and stable ejection;
- Automatic central lubrication system for all moving parts;
- Core pulls available on moving and fixed platen.

