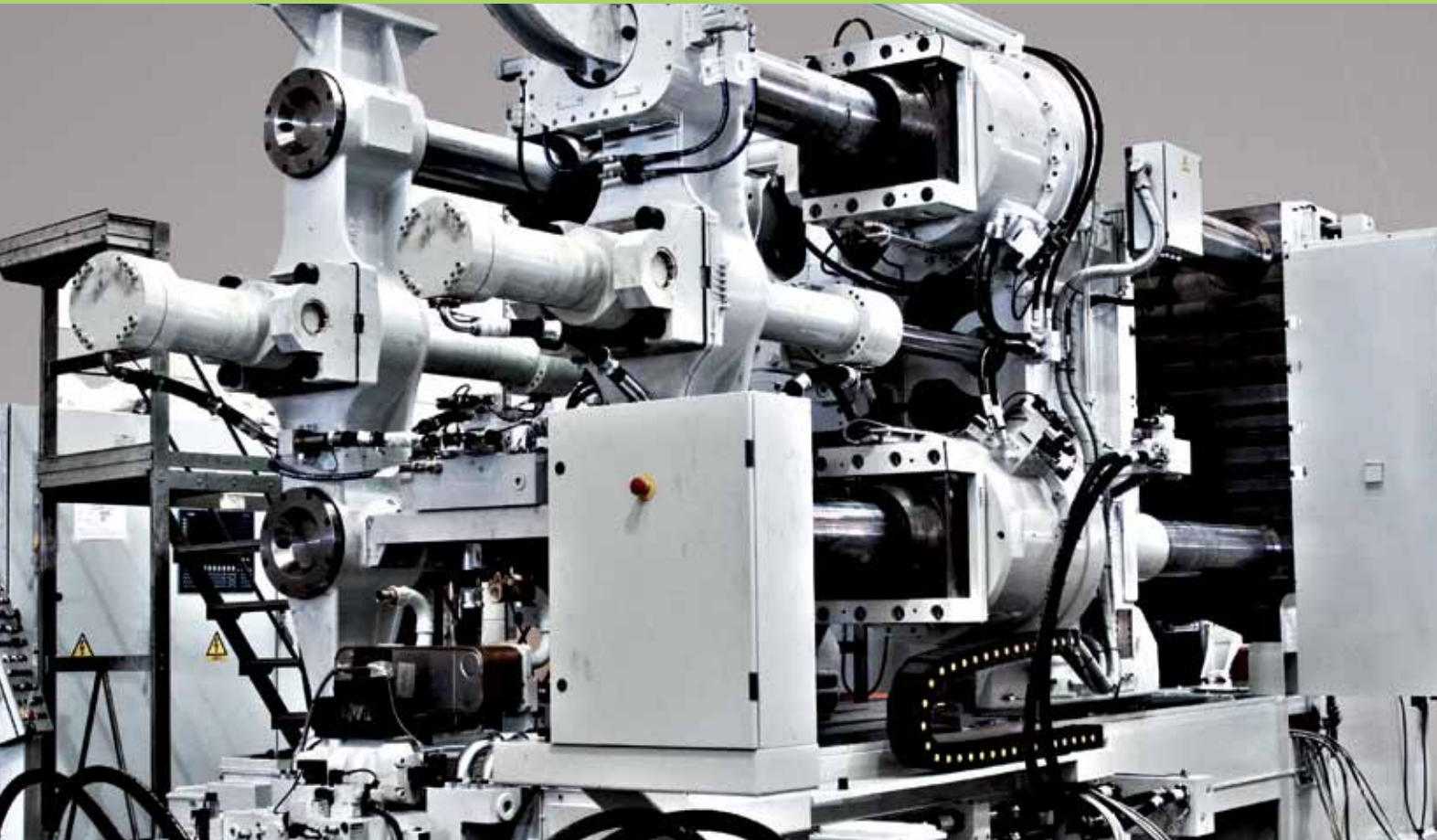




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OLR



IDRA



OL R Range

The new Range of R series represents the second generation that comes to the market as an evolution of the first one launched in 2000. Various improvements, with typical advantages of the R range, have been introduced to enhance the technical characteristics and to facilitate easy maintenance.

A shorter machine length compared to similar toggle models and better distribution of tie bar load compensating die thermal expansion automatically, are the most significant advantages.

The clamping unit offers large platen dimensions superior to standard toggle models and make the R range the preferred machine for structural component production as well for very large size dies.

Close loop real time injection control and Idra Bicostant intensification pressure adjustment offer outstanding features in terms of injection velocity, response times and parameter consistency, all fundamental requirements for high integrity casting production as requested by a growing number of customers.

The R range has been designed with integrated, modular and compact hydraulic manifolds with very few external pipes to eliminate fluid leaks and facilitate easy maintenance.

The machine is environment friendly and remarkable for the low power consumptions since in its standard configuration it is equipped with control of the motors with frequency variators (inverters)

Machines from the R range can be supplied in standard conventional design as well in NOX design, with integrated holding furnace for metal transfer into the injection sleeve avoiding any atmosphere contact and consequent metal oxidation, suitable for heat treatable, weldable structural component production.

MODEL		OL 1000 R	OL 1200 R	OL 1400 R	OL 1700 R	OL 2000 R	OL 2400 R	OL 2800 R	OL 3400 R	OL 4000 R	OL 4600 R
TECHNICAL DATA											
Clamping force	kN	10.000	12.000	14.000	17.500	20.000	24.000	28.000	34.000	40.000	46.000
Clamping force	Ton	1.020	1.224	1.428	1.785	2.040	2.447	2.855	3.467	4.079	4.691
Injection force with 20 bar counterpressure	kN	728	828	976	1.080	1.210	1.354	1.731	1.910	2.061	2.255
Ejection force	kN	385	483	630	630	688	688	786	786	1.100	1.100
Max. die height	mm	1.000	1.150	1.250	1.450	1.550	1.700	1.800	2.000	2.100	2.100
Min. die height	mm	500	550	650	750	800	850	900	1.000	1.100	1.100
Platens dimensions (HxV)	mm	1600x1600	1700x1700	1850x1850	1960x1960	2120x2120	2210x2210	2580x2580	2800x2800	2900x2900	3030x3030
Tie bar spacing	mm	1000x1000	1050x1050	1150x1150	1225x1225	1330x1330	1480x1480	1680x1680	1740x1740	1820x1820	1900x1900
Tie bar diameter	mm	215	230	250	280	300	320	350	380	410	430
Movable platen stroke	mm	1.000	1.100	1.100	1.300	1.400	1.500	1.600	1.700	1.800	1.800
Ejection stroke	mm	200	230	230	255	280	280	350	350	400	400
Max. shot weight (Al alloy)	kg	13,2	16,6	20,5	23,1	31,5	35,6	48,8	63,8	78	83,7
Max. projected area (400 bar on metal)	cm^2	2.549	3.059	3.569	4.462	5.099	6.119	7.138	8.668	10.198	11.728
Dry Cycles per Minute	n/1'	5,5	5	5	4	3,7	3,3	2,7	2,4	2	1,7
Pumps motors power	kW	45	55	2x45	2x55	2x55	2x75	2x75	3x55	3x75	3x75
Machine weight	Ton	45	56	65	85	115	135	155	205	227	270
Machine dimensions (L x W x H)	m	8,9x2,8x4	9,2x3x4,2	9,5x3,3x4,5	10,2x3,4x4,5	11x3,7x4,7	11,7x3,8x4,7	12,4x4,2x5,2	13,4x4,2x5,5	14,8x4,7x5,7	15,6x4,7x5,5

The technical information and pictures shown are not binding and may be changed due to modifications and/or improvements as considered necessary.