



# IDRA GROUP



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# OLCS





## OL CS Compact Series

Continuing the IDRA reputation for innovation and development the OL CS takes 70 years of industry experience and condenses it in to one package designed for foundry needs and the latest production requirements.

The compact mechanical structure and robust dimensions have been designed using the same criteria and characteristics that have always guaranteed long life and reliability for the foundry. Emphasis on the overall length of the machine ensures that the required floor space is equal to or better than the two platen product range.

Integrated high flow hydraulic manifold blocks and increased pump capacity ensure that the fast cycle times required can be achieved, whilst energy cost can be kept to a minimum by the use of energy efficient motors with speed control. The drastic reduction of external pipe work reduces the need for maintenance and minimises the risk of fluid loss.

The new award winning Inject Computer 3.0 offers the best in class machine management software. Incorporating a multi touch screen and 3D diagnostics with single point setting for integrated peripheral automation. Available with machine tablet allowing portable access for diagnostics and management of the production cell.

Due to the innovative mechanical design all groups of the machine take into consideration the need for easy access for maintenance procedures.

Closed loop multi point control of the injection velocity and pressure, programming and control of process parameters give the die caster all of the necessary tools required for the most demanding parts.

New OL CS series gives excellent performance of the injection, combining high dynamic force with strong intensification for final pressure and complete flexibility of setting to give precise, stable production parameters.

High integrity components for the automotive sector, including structural and power train, can be produced with the highest guaranteed quality and productivity.

MODEL		OL 420 CS	OL 560 CS	OL 700 CS	OL 900 CS	OL 1100 CS	OL 1300 CS	OL 1600 CS	OL 1900 CS	OL 2200 CS	OL 2700 CS	OL 3200 CS	OL 3700 CS	OL 4200 CS	OL 5500 CS
<b>TECHNICAL DATA</b>															
Clamping force	kN	4.360	5.850	7.500	9.200	11.000	13.250	17.100	19.600	23.000	28.100	32.500	37.700	43.200	55.000
Clamping force	Ton	445	597	765	938	1.122	1.351	1.743	1.998	2.345	2.864	3.313	3.843	4.404	5.607
Injection force with 20 bar counterpressure	kN	417	483	550	728	828	976	1.080	1.210	1.354	1.731	1.910	2.061	2.255	3.097
Ejection force	kN	246	246	385	385	483	630	630	688	688	786	786	1.100	1.100	1.100
Max. die height	mm	700	800	900	1.000	1.050	1.100	1.200	1.450	1.550	1.750	1.900	2.100	2.100	2.400
Min. die height	mm	250	300	400	450	450	450	450	600	720	800	900	1.100	1.100	1.500
Platens dimensions (HxV)	mm	970x970	1160x1160	1300x1300	1400x1400	1620x1620	1730x1730	1850x1850	1960x1960	2120x2120	2380x2380	2640x2640	2840x2840	2900x2900	3550x3550
Tie bar spacing	mm	620x620	760x760	840x840	910x910	1000x1000	1100x1100	1160x1160	1250x1250	1345x1345	1500x1500	1720x1720	1770x1770	1850x1850	2300x2300
Tie bar diameter	mm	130	140	165	180	200	215	240	250	280	300	330	350	370	450
Movable platen stroke	mm	600	700	780	900	960	1.070	1.200	1.400	1.400	1.500	1.600	1.700	1.800	2.300
Ejection stroke	mm	140	165	175	200	230	230	255	280	280	350	350	400	400	400
Max. shot weight (Al alloy)	kg	4	6	9	13	17	19	21	28	36	42	59	79	84	84
Max. projected area (400 bar on metal)	cm <sup>2</sup>	1.112	1.491	1.912	2.346	2.804	3.377	4.358	4.995	5.861	7.161	8.282	9.608	11.009	14.016
Dry Cycles (as per DIN 24480)	n/1'	3.5	3	2.9	2.7	2.5	2.5	2.2	2.1	1.9	1.7	2.1	1.7	1.5	1.5
Pumps motors power	KW	30	37	45	45	55	2x37	2x37	2x45	2x55	2x55	2x90	2x110	2x110	2x132
Machine weight	Ton	18	24	33	47	56	65	85	98	113	150	205	227	270	410
Machine dimensions (L x W x H)	m	6.9x3.1x3.0	7.6x3.4x3.1	8.1x3.4x3.2	9.0x3.7x3.8	9.6x3.9x4.2	10.3x3.7x4.0	10.8x4.1x4.2	11.7x4.2x4.4	12.2x4.5x4.9	12.7x5.4x5.1	14.5x5.6x5.3	15.2x5.8x5.6	15.7x5.9x5.7	17.8x6.6x5.92

The technical information and pictures shown are subject to change and may be modified and/or improved as considered necessary.