

# Heavy Duty High Performance Hydraulic Manipulators



*C20020 rail bound manipulator with 20 tonnes capacity.*



*Gripper with cannon and magnet.*



*C620 manipulator with gripper mounted cannon.*



*C5010 rail bound manipulator with 5 tons capacity*



*High speed C320 manipulator.*



*C20020 gripper up to 3.2 m – The world's largest telemanipulator.*

MANIPULATOR DATA							
	C320	C620	C1210	C2010	C4010	C5010	C20020
<b>Max Payload</b>	150kg	500kg	1,000kg	1,800kg	3,600kg	7,500kg	20,000kg
<b>Pitch Capacity</b>	150kg	500kg	1,000kg	1,800kg	2,800kg	5,000kg	10,000kg
<b>Gripper Opening Size</b>	600mm	1,250mm	1,500mm	1,500mm	2,000mm	2,500 mm	3,200mm
<b>Gripper Force</b>	450kg	1,500kg	2,500kg	7,500kg	10,000kg	13,000kg	26,000kg
<b>Hydraulic Power</b>	30kW	22kW	37kW	45kW	55kW	75kW	175kW
<b>Slew Speed</b>	60 °/s	60 °/s	50 °/s	50 °/s	30 °/s	30 °/s	20 °/s
<b>Vertical Speed</b>	1.3 m/s	1.0 m/s	0.9 m/s	0.9 m/s	0.6 m/s	0.6 m/s	0.4 m/s
<b>Horizontal Speed</b>	1.4 m/s	0.9 m/s	0.8 m/s	0.8 m/s	0.6 m/s	0.6 m/s	0.6 m/s

Capacity on table are typical for envelope 3 machines.

Clansman manipulators operate in some of the toughest manufacturing environments in the world but continue to provide supremely robust high-technology solutions for material handling in forges, foundries, steelworks and even garbage handling for energy conversion. Superior reliability and maximum simplicity means more uptime, lower maintenance costs, and smoother production.

The world's largest range of rail or statically mounted manipulator offer capacities from 100 kg up to 20,000 Kgs.

Clansman Dynamics is an award-winning company working in partnership with our customers to develop a world-leading product. A commitment to continuous improvement, quality and customer service means that our customers include some of the world's best known manufacturers.

Superior Design: Clansman Dynamics has utilised the latest technology to ensure that the manipulators are the most reliable and easiest machines to maintain. The design is continually updated to reflect feedback from our customers and service teams.



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