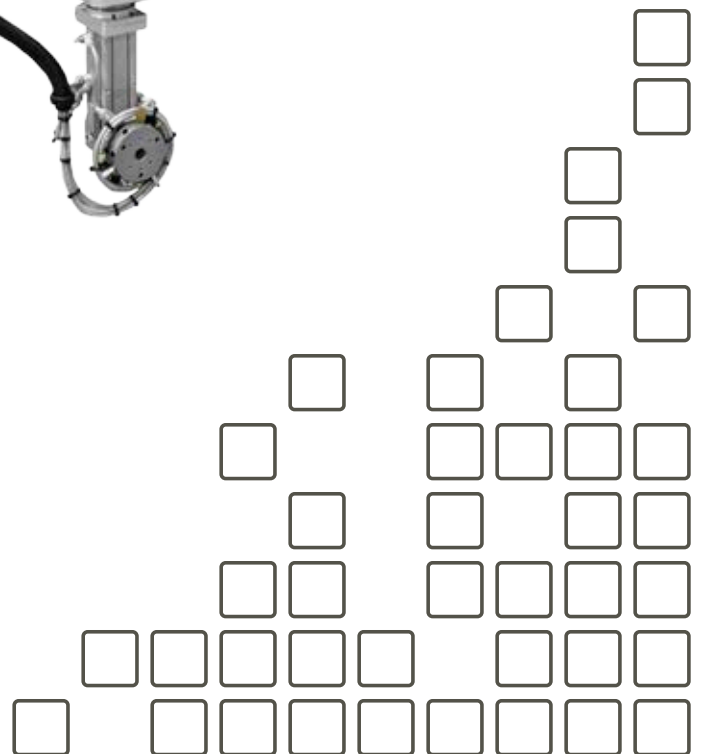


Wemo Robotsystem
Technical Data
Plastic



Overview Wemo Robotsystems

Swingarm robots

For detailed information see page 4-5

4-5 SR-2S



Swingarm robots		4-5 SR-2S	
Technical data			
Machine size	ton	25-200	
Maximum payload (Part + EOAT)	kg	2,0	
Servodrive A -Swingrotation		●	
Servo drive X -Demoulding axis		●	
C-axis pneumatic		0	

Linear robots eDesign

For detailed information see page 6-7

8-5 eDesign



Linear robots eDesign		Robot model		
Technical data		6-5	8-5	16-5
Machine size	ton	25-200	75-300	250-650
Maximum payload (Part + EOAT)	kg	4	5	10
3-axis servo drives		●	●	●
C-axis pneumatic		●	●	●

Overview Wemo Robotsystems

Linear robots xDesign

For detailed information see page 8-9

8-5 xDesign



Linear robots xDesign		Robot model		
Technical data		8-5	16-5	16-7
Machine size	ton	75-300	250-500	300-800
Maximum payload (Part + EOAT)	kg	8/10	12/16	20
3-axis servo drives		●	●	●
C-axis pneumatic		●	●	●
Additional rotation-axis servo (options)		C-/B-	C-/B-	C-/B-

Linear robots sDesign

For detailed information see page 10-11

7-5 sDesign



8-5 sDesign



Linear robots sDesign		Robot model			
Technical data		8-5	16-5	7-5	12-5
Machine size	ton	75-350	150-500	100-400	200-650
Maximum payload (Part + EOAT)	kg	3	5	3+3	5+5
2-axis servo drives				●	●
3-axis servo drives		●	●		
C-axis pneumatic		●	●		
Top entry		●	●		
Side entry				●	●

Linear robots Basic2

For detailed information see page 12-15

8-5D Basic2



20-5 Basic2



Linear robots Basic2		Robot model					
Technical data		6-5	8-5D	20-5	20-7	26-5	26-7
Machine size	ton	25-250	75-350	500-1000	800-1500	1300-2000	1500-4000
Maximum payload (Part + EOAT)	kg	5	Y1 = 3 Y2 = 5	25	32	50	75
3-axis servo drives	mm	●		●	●	●	●
5-axis servo drives			●				
C-axis pneumatic		●	Y1 = ●	●	●	●	●

Wemo 4-5 SR Swingarm robots

Wemo 4-5 SR Swingarm robots

Dimensions

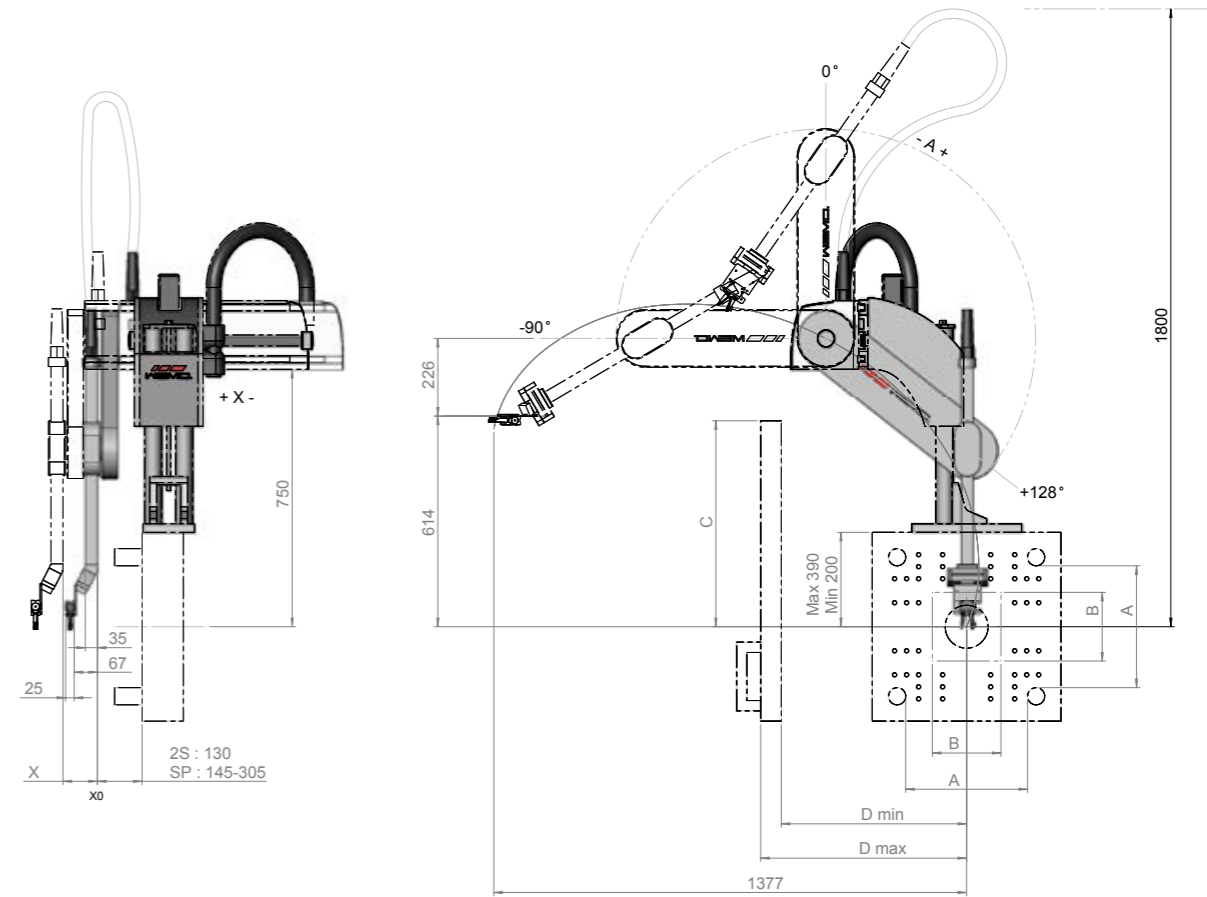
4-5 SR-2S



Standard version Swingarm		4-5 SR-2S
Technical data		
Machine size	ton	25-200
Maximum payload (Part + EOAT)	kg	2,0
Demoulding X-axis, Stroke length	mm	300
Rotation A-axis, Angle	°	218
X-axis (AC Servo), Speed	m/s	1,5
A-axis (Angle), Speed	°/s	218
Integrated spruegripper	Qty	1
Pneumatic gripper circuit	Qty	1
Handheld pendant		W-HP9
Software		WIPS mini
Mechanical interface	E18	E5-E7
Free inputs		2
Free outputs		2
Belt pacing signal		●
Electrical interface	E67	●
Separate electrical cabinet	WxDxH (mm)	370x280x480
Cable length between cabinet and robot	m	2,8
Energy consumption	kWh	0,08
Power supply	VAC/Hz/A	230/50/10
Pneumatic supply	bar	6
Standard colour	RAL	7004 light grey

Options Swingarm		4-5 SR-2S
Technical data		
C-axis pneumatic*, Weight: 0,8 kg	0-90°	2 Nm
Quick Change gripper*, Weight: 0,35 kg	WGS QL	Mini
Maximum vacuum circuits		2
Maximum gripper circuits		2**
Belt pacing box, 3-phase control	400V	O
Software option for mold half open		O
Adapterplate mechanical interface	E18	E8-E9
Extension plate for longer sprues		O
Electrical interface adapter	E12/SPI	O

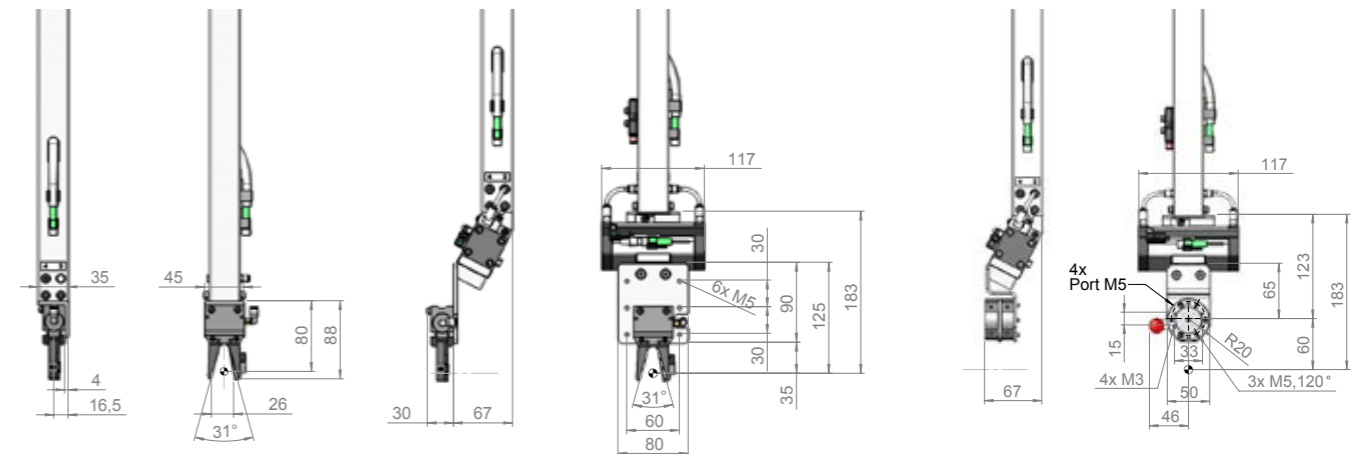
● Standard
 O Option
 * Reduces handling weight with specified value
 ** Only possible with max. 1 vacuumcircuit



Only sprue

C-axis & sprue

C-axis & Quick lock



Euromap size	A	B	C	D min	D max
Hole pattern fixed plate	Tiebar distance	Gripper dimension	Centerline to top rear door IMM	Inside rear door	Outside rear door
E5	315	200	680	400	700
E6	355	250	680	500	750
E7	400	250	740	580	700
E7	400	250	700	500	850
E8	450	300	700	600	900
E9	500	300	700	600	900

8-5 eDesign



Standard version eDesign		Robot model		
Technical data		6-5	8-5	16-5
Machine size	ton	25-200	75-300	250-650
Maximum payload (Part + EOAT)	kg	4	5	10
Demoulding X-axis, Stroke length	mm	300	460	680
Maximum X-axis, Speed	m/s	1,5	1,5	1,5
Vertical Y-axis, Stroke length	mm	800	1000	1200
Maximum Y-axis, Speed	m/s	2	2	2
Traverse Z-axis, Stroke length	mm	1250	1520	1850
Maximum Z-axis, Speed	m/s	2	2	2
Wrist axis C= 0-90°, Torque	Nm	11	11	60
Vacuum circuit	Quantity	1	1	1
Pneumatic gripper circuit	Quantity	1	1	1
Handheld pendant		W-HP10	W-HP10	W-HP10
Software		WIPSe	WIPSe	WIPSe
Integrated vacuum in handheld		●	●	●
Eco function		●	●	●
Free release X-axis		●	●	●
Free inputs	Quantity	2	2	2
Free outputs	Quantity	2	2	2
Input for stacking sensor	Quantity	1	1	1
Belt pacing signal	Quantity	1	1	1
Electrical interface*	E67*	●	●	●
Robot interface cable, Length	m	7	7	7
Power supply cable, Length	m	7	7	7
Hand held cable, Length	m	10	10	10
Energy consumption	kWh	0,28	0,37	0,37
Integrated electrical cabinet on robot		●	●	●
Power supply	Vac/Hz/A	230/50/10	230/50/10	400/50/16
Pneumatic supply, Pressure	bar	6	6	6
Standard colour	RAL	9006 Silver, 3001 Red, 7016 Anthracite grey		

- Standard
- Option

* Reduced signal interface, without core 2 function, without intermediate position mould open.

16-5 eDesign



Options eDesign		Robot model		
Technical data		6-5	8-5	16-5
Demoulding X-axis, Stroke length	mm	420	580	800
Single vertical Y-axis, Stroke length	mm	800, 1000, 1200	800, 1200	1400
Vertical telescopic Y-axis, Stroke length	mm	1000, 1200	800, 1000, 1200, 1400	1000,1200, 1400,1600,1800
Maximum Y-axis Telescopic, Speed	m/s	2,5	2,5	2,5
Traverse Z-axis, Stroke length	mm	1550, 1850, 2150	1940, 2570, 3620	2450, 3350, 4550
Pneumatic A-axis: 0-180°, Torque, Weight	**	2 Nm 1,3 kg	2 Nm 1,3 kg	6 Nm 3,0 kg
Pneumatic B-axis: 0-180°, Torque, Weight	**	3 Nm 1,3 kg	5 Nm 1,7 kg	12 Nm 4,8 kg
Multifunction B-axis: 0-270°, Torq. Weight	****	12 Nm 2,5 kg	12 Nm 2,5 kg	24 Nm 4,8 kg
Quick Change gripper	WGS-QL	Midi	Midi	Midi
Vacuum circuits	Max qty	4	4	4
Pneumatic gripper circuit	Max qty	4	4	4
Platen spacer Mech.interface	E18	E5-E7	E7-E10	E8-E13
Customized adapterplate		○	○	○
Supportleg		○	○	○
Lengthwise installation version		-	○	○
Additional free inputs	Max qty	1x12	1x12	1x12
Additional free outputs	Max qty	1x12	1x12	1x12
Deadman grip with 3 position for handheld panel		○	○	○
External operator panel***		○	○	○
Quality panel***		○	○	○
Beltspacing box, 3-phase control	400VAC	○	○	○
Electrical interface adapter	E12/SPI	○	○	○
Wemo Off-line software		○	○	○
Wemo WRS (Remote system)		○	○	○
Special colour as per customer request		○	○	○

- Standard
- Option

** Reduces handlingweight with specified value. Possible with only A-axis or only B-axis.
 *** Possible with only external panel or only quality panel.
 **** For 6-5 model only for together with Y-axis telescopic.

Wemo xDesign linear robots

Standard version

16-5 xDesign



Standard version xDesign		Robot model		
Technical data		8-5	16-5	16-7
Machine size	ton	75-300	250-500	300-800
Max. payload telescopic (Part + EOAT)	kg	8	12	-
Max. payload singlearm (Part + EOAT)	kg	10	16	20
Demoulding X-axis, Stroke length	mm	580	800	920
Maximum X-axis, Speed	m/s	2,5	2,5	2,5
Vertical Y-axis, Stroke length	mm	1000	1200	1400 t
Maximum Y-axis, Speed	m/s	3 / 4*	3,5 / 4*	3 / 3,5*
Traverse Z-axis, Stroke length	mm	1520	1850	1850
Maximum Z-axis, Speed	m/s	3	3	2,5
Wrist axis C= 0-90°, Torque	Nm	26	60	60
Vacuum circuit with save & blow off function	Quantity	2	2	2
Pneumatic gripper circuit	Quantity	1	1	1
Quick Change gripper	WGS-QL	Midi	Midi	Midi
Handheld pendant		W-HP7	W-HP7	W-HP7
Software		WIPS Plastic	WIPS Plastic	WIPS Plastic
Integrated vacuum in handheld		●	●	●
Eco function		●	●	●
WOMS-optimized motion		●	●	●
Free release X-axis		●	●	●
Free inputs	Quantity	2	2	2
Free outputs	Quantity	2	2	2
Input for stacking sensor	Quantity	1	1	1
Belt pacing signal	Quantity	1	1	1
Electrical interface	E67	●	●	●
Robot interface cable, Length	m	7	10	10
Power supply cable, Length	m	7	10	10
Hand held cable, Length	m	10	10	10
Energy consumption	kWh	0,45	0,6	0,9
Integrated electrical cabinet on robot		●	●	●
Power supply	Vac/Hz/A	400/50/16	400/50/16	400/50/16
Pneumatic supply, Pressure	bar	6	6	6
Standard colour	RAL	9006 Silver, 3001 Red, 7016 Anthracite grey		

- Standard
- Option

* Maximum speed for telescopic

Wemo xDesign linear robots

Options

8-5 xDesign



Options xDesign		Technical data		
		8-5	16-5	16-7
Demoulding X-axis, Stroke length	mm	700	920	-
Single vertical Y-axis, Stroke length	mm	1200, 1400	1400, 1600	-
Vertical telescopic Y-axis, Stroke length	mm	1000, 1200, 1400	1200, 1400, 1600, 1800, 2000	1600, 1800, 2000
Maximum Y-axis Telescopic, Speed	m/s	2,5	2,5	2,5
Traverse Z-axis, Stroke length	mm	1940, 2570, 3620, 4460	2450, 3350, 4550, 5450	
Servo C axis: 0-180°, Torque, Weight	**	40 Nm 1,3 kg	60 Nm 1,5 kg	60 Nm 1,5 kg
Pneumatic A-axis: 0-180°, Torque, Weight	**	3 Nm 1,7 kg	6 Nm 3,0 kg	6 Nm 3,0 kg
Servo A-axis A: 0-360°, Torque, Weight	**	-	40 Nm 6,1 kg	40 Nm 6,1 kg
Pneumatic B-axis: 0-180°, Torque, Weight	**	5 Nm 1,7 kg	12 Nm 4,8 kg	12 Nm 4,8 kg
Multifunction B-axis: 0-270°, Torque, Weight	**	12 Nm 2,5 kg	24 Nm 4,5 kg	24 Nm 4,5 kg
Servo B-axis: 0-270°, Torque, Weight	**	20 Nm 3,0 kg	40 Nm 4,5 kg	40 Nm 4,5 kg
Vacuum circuits with save & blow off	Max qty	16	16	16
Electrical vacuum pump		○	○	○
Pneumatic gripper circuit	Max qty	16	16	16
GIS gripper identification		○	○	○
Platen spacer Mech.interface	E18	E7-E10	E8-E13	E8-E13
Customized adapterplate		○	○	○
Supportleg		○	○	○
Lengthwise installation version		○	○	○
External electrical cabinet floor mounted	WxDxH (mm)	600x360x965	600x360x965	600x360x965
Additional free inputs	Max qty	8x12	8x12	8x12
Additional free outputs	Max qty	8x12	8x12	8x12
External operator panel		○	○	○
Quality panel		○	○	○
Beltspacing box, 3-phase control	400VAC	○	○	○
Interface open rear door	E73	○	○	○
Electrical interface adapter	E12/SPI	○	○	○
Bus communication between 2 robots		○	○	○
Twin Module (2 IMM & 1 robot)		○	○	○
Central lubrication system		○	○	○
Integration of Robot in IMM***	VNC	○	○	○
Wemo Off-line software		○	○	○
Wemo WRS (Remote system)		○	○	○
Special colour as per customer request		○	○	○

- ** Reduces handlingweight with specified value
- *** Only for IMM with Ferromatik Mosaic controller, Stork controller & Sumitomo Demag NC5 controller

8-5 sDesign



Standard version sDesign		Robot model			
Technical data		8-5	16-5	7-5	12-5
Machine size	ton	75-350	150-500	100-400	200-650
Maximum payload (Part + Gripper)	kg	3	5	3+3	5+5
Demoulding X-axis, Stroke length	mm	580	680	150	250
Maximum X-axis, Speed	m/s	2,5	2,5	2	2
Vertical Y-axis, Stroke length	mm	1000	1200	-	-
Maximum Y-axis, Speed	m/s	5	4	-	-
Traverse Z-axis, Stroke length	mm	1520	1850	1520	1850
Maximum Z-axis, Speed	m/s	4	3,5	5	5
Central lubrication system		●	●	●	●
Wrist axis C= 0-90°, Torque	Nm	26	60	-	-
Vacuum circuit with save & blow off	Quantity	2	2	2	2
Pneumatic gripper circuit	Quantity	1	1	1	1
Quick Change gripper	WGS-QL	Midi	Midi	-	-
Handheld pendant		W-HP7	W-HP7	W-HP7	W-HP7
Software		WIPS Plastic	WIPS Plastic	WIPS Plastic	WIPS Plastic
Integrated vacuum in handheld		●	●	●	●
Eco function		●	●	●	●
WOMS-optimized motion		●	●	●	●
Free release X-axis		●	●	-	-
Free inputs	Quantity	2	2	2	2
Free outputs	Quantity	2	2	2	2
Input for stacking sensor	Quantity	1	1		
Belt pacing signal	Quantity	1	1	1	1
Interface open rear door	E73	○	○	●	●
Electrical interface	E67	●	●	●	●
Robot interface cable, Length	m	7	10	10	10
Power supply cable, Length	m	7	10	10	10
Hand held cable, Length	m	10	10	10	10
Energy consumption	kWh	0,9	1,2	0,9	1,2
Separate electrical cabinet, Dim. 600x360x965	WxDxH (mm)	○	○	●	●
Power supply	Vac/Hz/A	400/50/16	400/50/16	400/50/16	400/50/16
Pneumatic supply	bar	6	6	6	6
Standard colour	RAL	9006 Silver, 3001 Red, 7016 Anthracite grey			

- Standard
- Option

7-5 sDesign



Options sDesign		Robot model			
Technical data		8-5	16-5	7-5	12-5
Demoulding X-axis, Stroke length	mm	-	800	-	-
Demoulding X2-axis pneumatic, Stroke length****	mm	-	-	150	250
Demoulding X2-axis servo, Stroke length****	mm	-	-	150	250
Single vertical Y-axis, Stroke length	mm	1200	1400	-	-
Traverse Z-axis, Stroke length	mm	1940, 2570, 3620	2450, 3350, 4550	1940	2450
Servo C axis: 0-180°, Torque, Weight	**	40 Nm 1,3 kg	60 Nm 1,5 kg	-	-
Servo B-axis: 0-270°, Torque, Weight	**	20 Nm 1,5 kg	40 Nm 2,0 kg	-	-
Vacuum circuit with save & blow off	Max qty	16	16	16	16
Electrical vacuum pump		○	○	○	○
Pneumatic gripper circuit	Max qty	8	8	8	8
GIS gripper identification		○	○	○	○
Platen spacer Mech.interface	E18	E5-E7	E8-E13	-	-
Customized adapterplate		○	○	-	-
Supportleg		○	○	-	-
Lengthwise installation version		○	○	-	-
Additional free inputs	Max qty	8x12	8x12	8x12	8x12
Additional free outputs	Max qty	8x12	8x12	8x12	8x12
External operator panel		○	○	○	○
Quality panel		○	○	○	○
Belt pacing box, 3-phase control	400VAC	○	○	○	○
Interface open rear door	E73	○	○	●	●
Electrical interface adapter	E12/SPI	○	○	○	○
Bus communication between 2 robots		○	○	○	○
Twin Module (2 IMM & 1 robot)		○	○	-	-
Integration of Robot in IMM***	VNC	○	○	○	○
Wemo Off-line software		○	○	○	○
Wemo WRS (Remote system)		○	○	○	○
Special colour as per customer request		○	○	○	○

- ** Reduces handlingweight with specified value. Only one rotation axis possible.
- *** Only for IMM with Ferromatik Mosaic controller, Stork controller & Sumitomo Demag NCS controller.
- **** For IML or stackmould applications.

Wemo Basic2 linear robots

Standard version

6-5 Basic2



Standard version Basic2		Robot model	
Technical data		6-5	8-5D
Machine size	ton	25-250	75-350
Maximum payload (Part + Gripper)	kg	5	Y1 = 3 / Y2 = 5
Demoulding X-axis, Stroke length	mm	420	X1 = 275 / Y2 = 275
Maximum X-axis, Speed	m/s	1,5	1,5
Vertical Y-axis, Stroke length	mm	800	Y1 = 1000 / Y2 = 1050
Maximum Y-axis, Speed	m/s	2,5	2,5
Traverse Z-axis, Stroke length	mm	1250	1520
Maximum Z-axis, Speed	m/s	2,5	2,5
Wrist axis C= 0-90°, Torque	Nm	26	Y1 = 26
Vacuum circuit with vacuum save & blow off	Quantity	1	Y1 = 1
Pneumatic gripper circuit	Quantity	1	Y1 = 1 / Y2 = 1
Quick Change gripper	WGS-QL	Midi	Y1 = Midi / Y2 = Only sprue
Handheld pendant		W-HP7	W-HP7
Software		WIPS Plastic	WIPS Plastic
Eco function		●	●
WOMS-optimized motion		●	●
Free release X-axis		●	●
Free inputs	Quantity	2	2
Free outputs	Quantity	2	2
Input for stacking sensor	Quantity	1	Y1 = 1
Belt pacing signal	Quantity	1	1
Electrical interface	E67	●	●
Robot interface cable, Length	m	7	10
Power supply cable, Length	m	7	10
Hand held cable, Length	m	10	10
Energy consumption	kWh	0,35	0,6
Integrated electrical cabinet on robot		●	
Separate electrical cabinet, Dim. 600x360x965			●
Power supply	Vac/Hz/A	400/50/16	400/50/16
Pneumatic supply, Pressure	bar	6	6
Standard colour	RAL	9006 Silver, 3001 Red, 7016 Anthracite grey	

- Standard
- Option

Wemo Basic2 linear robots

Options

8-5D Basic2



Options		Robot model	
Technical data		6-5	8-5D
Single vertical Y-axis, Stroke length	mm	1000, 1200	Y1 = 1200 / Y2 = 1250
Vertical telescopic Y-axis, Stroke length	mm	800, 1000, 1200	Y1 = 1000/Y2 = 1050 Y1 = 1200/Y2 = 1250
Maximum Y-axis Telescopic, Speed	m/s	2,5	2,5
Traverse Z-axis, Stroke length	mm	1550, 1850, 2150	1940, 2570, 3620, 4460
Performance package (approx. 20%)		○	○
Second C-axis for Y2, Torque, Weight	***		26 Nm 2,0 kg
Pneumatic A-axis: 0-180°, Torque, Weight	***	3 Nm 1,7 kg	3 Nm 1,7 kg
Pneumatic B-axis: 0-180°, Torque, Weight	***	3 Nm 1,7 kg	5 Nm 1,7 kg
Multifunction B-axis: 0-270°, Torque, Weight	***	12 Nm 2,5 kg	12 Nm 2,5 kg
Servo B-axis: 0-270°, Torque, Weight	***	20 Nm 3,0 kg	20 Nm 3,0 kg
Vacuum save & blow off function	Max qty	8	8
Electrical vacuum pump		○	○
Pneumatic gripper circuit	Max qty	8	8
GIS gripper identification		○	○
Platen spacer Mech.interface	E18	E5-E7	E7-E10
Customized adapterplate		○	○
Supportleg		○	○
Lengthwise installation version		○	-
External electrical cabinet		○	●
Additional free inputs	Max qty	4x12	4x12
Additional free outputs	Max qty	4x12	4x12
External operator panel		○	○
Quality panel		○	○
Belt pacing box, 3-phase control	400VAC	○	○
Interface open rear door	E73	○	○
Electrical interface adapter	E12/SPI	○	○
Bus communication between 2 robots		○	○
Twin Module (2 IMM & 1 robot)		○	○
Central lubrication system		○	○
Integration of Robot in IMM****	VNC	○	○
Wemo Off-line software		○	○
Wemo WRS (Remote system)		○	○
Special colour as per customer request		○	○

*** Reduces handlingweight with specified value
 **** Only for IMM with Ferromatik Mosaic controller, Stork controller & Sumitomo Demag NC5 controller

20-5 Basic2



26-5 Basic2



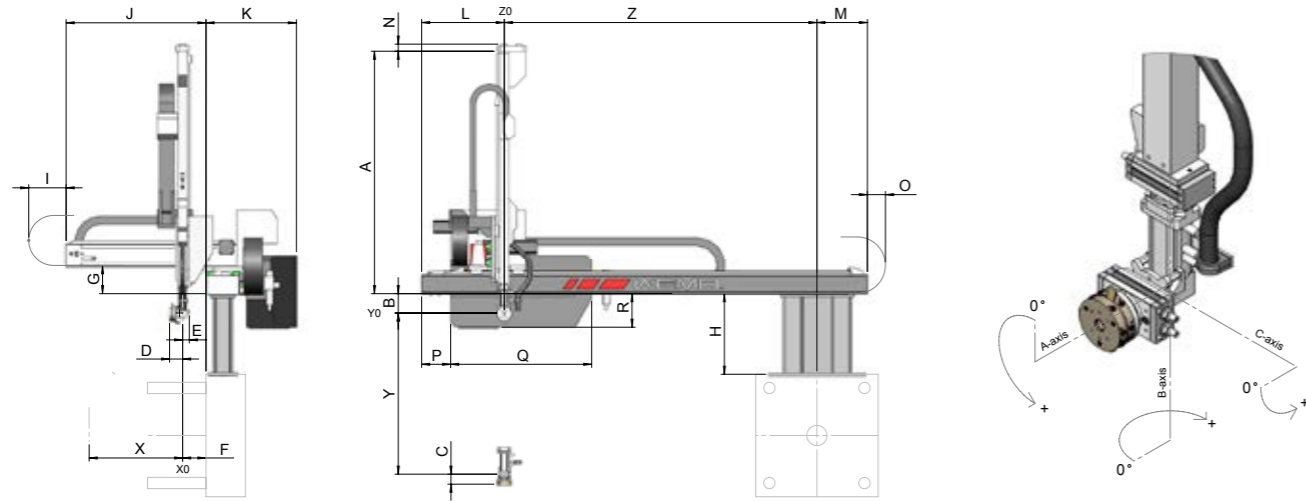
Standard version Basic2		Robot model			
Technical data		20-5	20-7	26-5	26-7
Machine size	ton	500-1000	800-1500	1300-2000	1500-4000
Maximum payload (Part + Gripper)	kg	25	32	50	75
Demoulding X-axis, Stroke length	mm	900	1200	1600	2000
Maximum X-axis, Speed	m/s	2,5	2	2	2
Vertical telescopic Y-axis, Stroke length	mm	1600	1800	2400	2800
Maximum Y-axis, Speed	m/s	2,5	2,5	2,5	2,5
Traverse Z-axis, Stroke length	mm	2750	2750	3500	3500
Maximum Z-axis, Speed	m/s	2	2	2	2
Wrist axis C= 0-90°, Torque	Nm	120	120	150	150
Vacuum circuit with save & blow off	Quantity	1	1	1	1
Pneumatic gripper circuit	Quantity	1	1	1	1
Quick Change gripper	WGS-QL	Maxi	Maxi	Maxi	Maxi
Handheld pendant		W-HP7	W-HP7	W-HP7	W-HP7
Software		WIPS Plastic	WIPS Plastic	WIPS Plastic	WIPS Plastic
Eco function		●	●	●	●
WOMS-optimized motion		●	●	●	●
Free release X-axis		●	●	●	●
Free inputs	Quantity	2	2	2	2
Free outputs	Quantity	2	2	2	2
Input for stacking sensor	Quantity	1	1	1	1
Belt pacing signal	Quantity	1	1	1	1
Electrical interface	E67	●	●	●	●
Robot interface cable, Length	m	10	10	10	10
Power supply cable, Length	m	10	10	10	10
Hand held cable, Length	m	10	10	10	10
Energy consumption	kWh	1,1	1,2	1,4	1,5
Integrated electrical cabinet on robot		●	●	-	-
Separate electrical cabinet				●	●
Power supply	Vac/Hz/A	400/50/20	400/50/20	400/50/32	400/50/32
Pneumatic supply	bar	6	6	6	6
Standard colour	RAL	9006 Silver, 3001 Red, 7016 Anthracite grey			

- Standard
- Option

Options Basic2		Robot model			
Technical data		20-5	20-7	26-5	26-7
Demoulding X-axis, Stroke length	mm	1200, 1500	1500	2000	
Vertical telescopic Y-axis, Stroke length	mm	1800, 2000, 2200, 2400	2000, 2200, 2400	2600, 2800, 3000	3000
Maximum Y-axis Telescopic, Speed	m/s	2,5	2,5	2,5	2,5
Traverse Z-axis, Stroke length	mm	3650, 4850, 5450, 6350	3650, 4850, 5450, 6350	5000, 6500, 8000	5000, 6500, 8000
Performance package (approx. 20%)		○	-	-	-
Servo C axis: 0-180°, Torque, Weight	***	80 Nm 3,5 kg	80 Nm 3,5 kg	150 Nm 5,0 kg	150 Nm 5,0 kg
Pneumatic A-axis: 0-180°, Torque, Weight	***	20 Nm 5,0 kg	30 Nm 5,0 kg	-	-
Servo A-axis A: 0-360°, Torque, Weight	***	60 Nm 9,0 kg	60 Nm 9,0 kg	80 Nm 12 kg	80 Nm 12 kg
Multifunction B-axis: 0-270°, Torque, Weight	***	78 Nm 7,0 kg	78 Nm 7,0 kg	-	-
Servo B-axis: 0-270°, Torque, Weight	***	60 Nm 7,0 kg	60 Nm 7,0 kg	80 Nm 10 kg	80 Nm 10 kg
Vacuum save & blow off function	Max qty	8	8	8	8
Electrical vacuum pump		○	○	○	○
Pneumatic gripper circuit	Max qty	8	8	8	8
GIS gripper identification		○	○	○	○
Platen spacer Mech.interface	E18	Customized	Customized	Customized	Customized
Supportleg		○	○	○	○
Lengthwise installation version		○	○	○	○
External electrical cabinet		○	○	●	●
Additional free inputs	Max qty	4x12	4x12	4x12	4x12
Additional free outputs	Max qty	4x12	4x12	4x12	4x12
External operator panel		○	○	○	○
Quality panel		○	○	○	○
Belt pacing box, 3-phase control	400VAC	○	○	○	○
Interface open rear door	E73	○	○	○	○
Electrical interface adapter	E12/SPI	○	○	○	○
Bus communication between 2 robots		○	○	○	○
Twin Module (2 IMM & 1 robot)		○	○	○	○
Central lubrication system		○	○	○	○
Integration of Robot in IMM****	VNC	○	○	○	○
Wemo Off-line software		○	○	○	○
Wemo WRS (Remote system)		○	○	○	○
Special colour as per customer request		○	○	○	○

*** Reduces handlingweight with specified value
 **** Only for IMM with Ferromatik Mosaic controller, Stork controller & Sumitomo Demag NC5 controller

Dimensions eDesign & Basic2

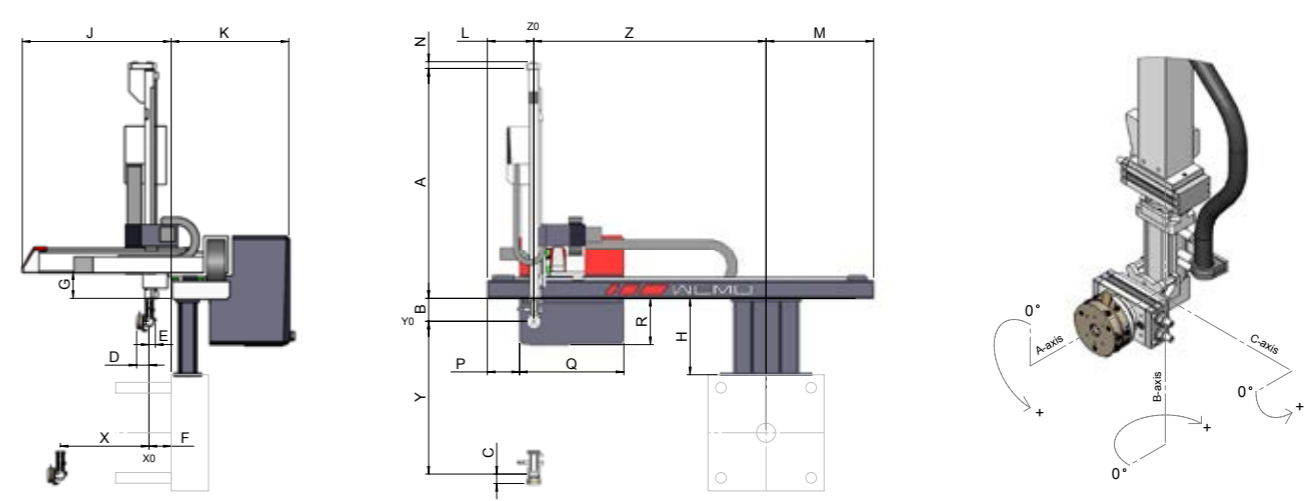


		eDesign					Basic2					
		Stroke	6-5	8-5	16-5	6-5	8-5D	Stroke	20-5	26-5	20-7	26-7
A	Single	Y 800s		1203	1305*		1203		Y1400t	1523*		
		Y1000s		1383	1505	1662*	1383	1614	Y1600t	1623		
		Y1200s		1623	1705	1842	1623	1806	Y1800t	1723		
		Y1400s				2022			Y2000t	1823		
Telescopic	Y 800t		924*	952		952		Y2200t	1923			
	Y1000t		1024	1052	1246*	1052	1235	Y2400t	2023	2212		
	Y1200t		1124	1152	1346	1152	1330	Y2600t		2312		
	Y1400t			1252	1446			Y2800t		2412		
	Y1600t				1546			Y3000t		2512		
	Y1800t				1646							
B**			120	120	108	100	120		180	205		
C**			28	28	66	62	62		121	150		
D**			47	47	93	81	81		148	150		
E**			42	56	70	42	56		80	100		
F			115	145	195	115	251		135	400		
G			144	174	212	144	174		278	402		
H			400-800	400-800	300-800	400-800	400-800		Custom	Custom		
I					218	164	175		225	140		
X-stroke	X300		538			538*		X580				
	X420		658			658		X680				
	X380						988	X800				
	X460			748				X900	1218			
	X580			868				X1200	1518			
	X700							X1500	1818			
	X680				1028			X1600		2340		
	X800				1148			X2000		2740		
	X920											
K			541	591	670	511	550		742	770		
L			523	513	653	523	513		903	1353		
M			253	313	343	253	313		703	953		
N_s					54							
N_t					0	17						
O			88	0	140	184	140		0	0		
P			157	157	296	260	0		321	0		
Q			670	670	980	875	0		1110	0		
R			68	68	230	210	0		226	0		

* On request s = single arm

** Value for C-axis pneumatic (Fig.1), for other configuration of rotation axis (Fig.2-9) look at page 19.

Dimensions xDesign & sDesign

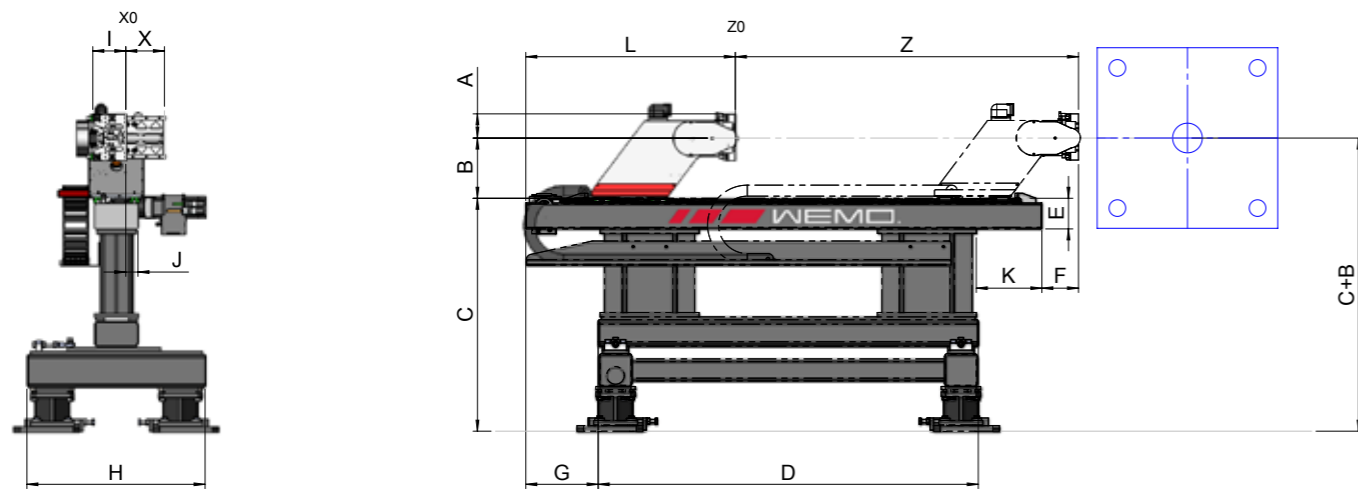


		xDesign			sDesign Top entry		
		Stroke	8-5	16-5	16-7	8-5	16-5
A	Single	Y1000s	1505			1505	
		Y1200s	1705	1827		1705	1827
		Y1400s	1905	2027			2027
		Y1600s		2227			
Telescopic	Y1000t	1025					
	Y1200t	1125	1316				
	Y1400t	1225	1416	1416			
	Y1600t		1516	1516			
	Y1800t		1616	1616			
	Y2000t		1716	1716			
B**		150	180	180		150	180
C**		62	66	66		62	66
D**		81	93	93		81	93
F**		56	73	73		56	73
F		145	196	196		145	196
G		174	216	216		174	216
H		400-800	300-800	300-800		400-800	300-800
X-stroke	X580	974				974	
	X700	1094					
	X680						1162
	X800		1282				1282
	X920		1402	1402			
K		770	822	822		770	822
L		304	406	406		304	406
M*		704	792	792		704	792
N		44				44	
P		211	293	293		211	293
Q		683	683	683		683	683
R		303	287	287		303	287

* includes the Z-cable chain movement

** Value for C-axis pneumatic (Fig.1), for other configuration of rotation axis (Fig.2-9) look at page 19.

Dimensions sDesign Side entry



sDesign Side entry		
	7-5	12-5
A	110	150
B	274	274
C	Depending on machine	Depending on machine
D	1728	1760
E	140	165
F	167	210
G	329	545
H	810	1500
I	150	200
J	56	115
K	298	583
L	953	1050

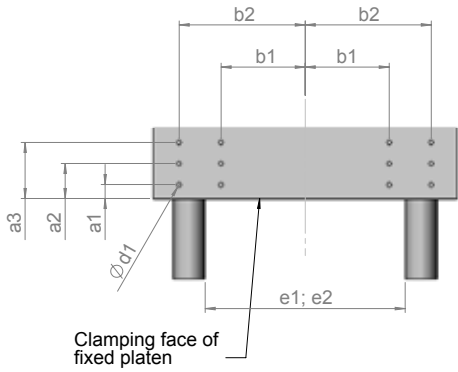
Rotation axes - configurations

Linear robots

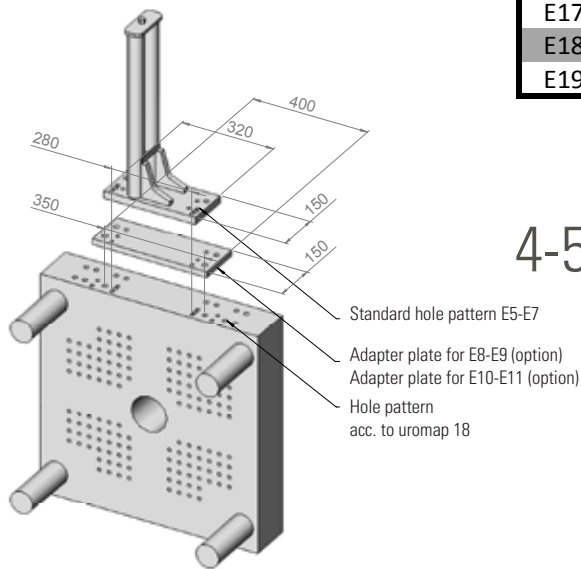
Pictures	Fig		eDesign			xDesign		sDesign		Basic2				
			6-5	8-5	16-5	8-5	16-5 16-7	8-5	16-5	6-5	8-5D	20-5 20-7	26-5 26-7	
	1	B		120	120	108	150	180	150	180	100	120	180	
		C		28	28	66	62	66	62	66	62	62	121	
		D		47	47	93	81	93	81	93	81	81	148	
		E		42	56	70	56	73	56	73	42	56	80	
	2	B		185	186	178	230	280			167	186		
		C		28	28	66	62	66			62	62		
		D		47	47	93	81	93			81	81		
		E		42	56	70	56	73			42	56		
	3	B		120	120	108	150	180			100	120	180	
		C		102	102	142	138	142			135	138	121	
		D		121	121	169	157	169			154	157	148	
		E		42	56	70	56	73			42	56	80	
	4	B			129	115	166	199/246*	166	199/246*	109		237	
		C			62	66	62	66	62	66	62		78	
		D			81	93	81	93	81	93	81		107	
		E			56	70	56	73	56	73	42		100	
	5	B						180					180	
		C						142					210	
		D						169					237	
		E						73					80	
	6	B					150	180	120	108			180	205
		C					86	93	81	93			135	150
		D					86	93	81	93			135	150
		E					63	73	56	70			100	100
	7	B					230	280						
		C					86	93						
		D					86	93						
		E					63	73						
	8	B					150	180						
		C					159	169						
		D					159	169						
		E					63	73						
	9	B					166	199/244*					237	275
		C					86	93					135	150
		D					86	93					135	150
		E					63	73					100	100
	10	B											180	205
		C											212	270
		D											212	270
		E											100	100

* with Multi-Baxis / Servo B-axis

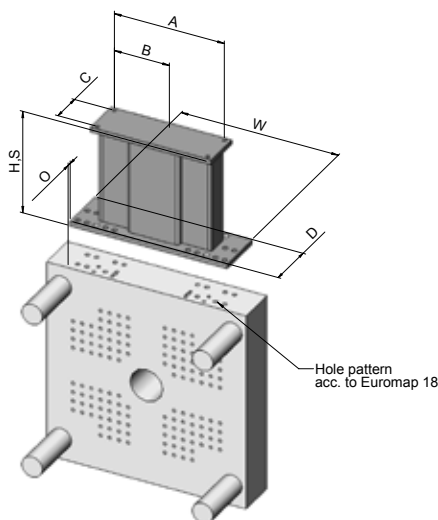
Euromap 18 standard



Euromap 18							
Size	e1; e2	d1	a1	a2	a3	b1	b2
E5	315	M12x24	17,5	52,5	-	140	210
E6	355	M12x24	17,5	52,5	-	140	210
E7	400	M16x32	35	105	-	140	245
E8	450	M16x32	35	105	-	175	280
E9	500	M16x32	35	105	-	175	280
E10	560	M20x40	35	175	-	210	350
E11	630	M20x40	35	175	-	280	420
E12	710	M20x40	35	175	-	350	490
E13	800	M20x40	35	175	-	350	490
E14	900	M20x40	35	175	-	420	560
E15	1000	M24x48	70	175	280	420	630
E16	1120	M24x48	70	175	280	420	700
E17	1250	M24x48	70	175	280	560	840
E18	1400	M24x48	70	210	280	560	840
E19	1600	M24x48	70	210	280	700	980



4-5 Adapter plate



Standard platen spacer

Platen spacer			
	6-5	8-5	16-5 / 16-7
Height H	400-800	400-800	300-800
Step S	50	50	100
Width W	530	600	750
Depth D	140	180	200
Offset O	5	15	5
Euromap size	E5-E7	E7-E10	E8-E13
A	300	420	600
B	150	210	300
C	100	120	160

COMPETENCE IN AUTOMATION



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