

# Smart NM

In-line



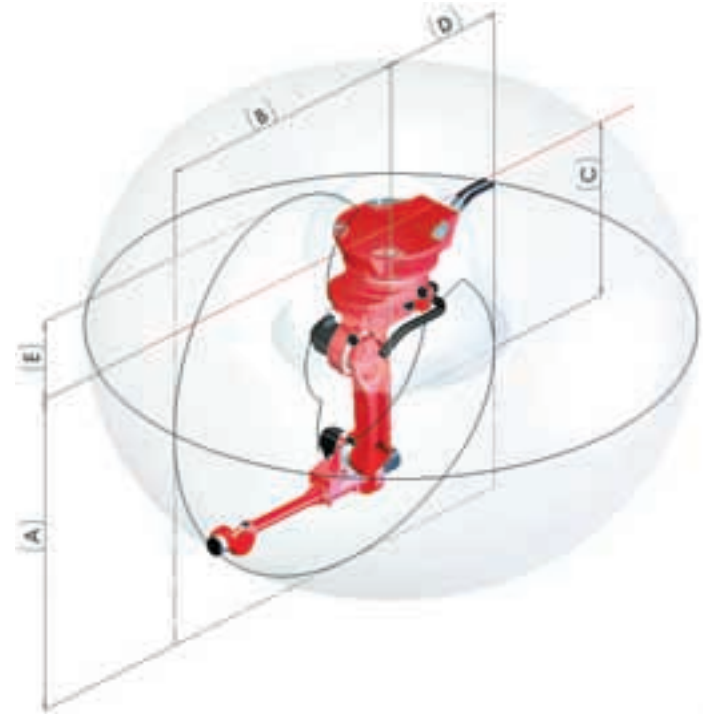
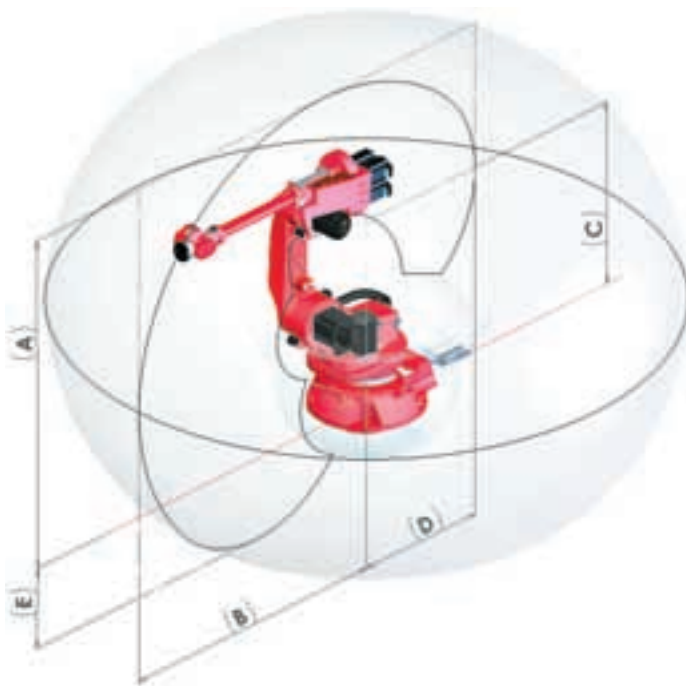
Payload up to  
**45 Kg** ■

Maximum horizontal reach  
**3.100 mm** ■

Repeatability  
**0,06 mm** ■



In-line Wrist



- Arc Welding
- Assembly
- Cosmeting Sealing
- Dispensing
- Foundry
- Handling Packaging
- Laser Welding Cutting
- Machine Tending
- Measuring Testing
- Plasma Cutting Water Jet
- Polishing Deburring
- Press Brake Bending
- Press to Press
- Processing Machining
- Wood-Glass Machining

### ROBOT APPLICATIONS

Model	NM 45-2.0 In-line	NM 25-2.2 In-line	NM 16-3.1 In-line	
Number of axes	6	6	6	
Load at wrist (Kg)	45	25	16	
Additional load on forearm (Kg)	40	40	40	
Torque of axes (Nm)				
	4	177	41	
	5	177	41	
	6	118	23	
Axes stroke (Speed)				
	1	+/- 180° (160°/s)	+/- 180° (120°/s)	
	2	+130°-53° (150°/s)	+130°-53° (100°/s)	
	3	+110°-170° (160°/s)	+110°-170° (100°/s)	
	4	+/- 2.700° (250°/s)	+/- 2.700° (300°/s)	
	5	+/- 123° (250°/s)	+/- 125° (250°/s)	
	6	+/- 2.700° (340°/s)	+/- 2.700° (340°/s)	
Repeatability ISO 9283 (mm)	0,06	0,06	0,1	
Maximum horizontal reach (mm)	2.000	2.241	3.100	
Installation position (Titled 45° max)	Floor/Ceiling/Titled	Floor/Ceiling/Titled	Floor/Ceiling/Titled	
Protection Class	IP65/IP67 wrist	IP65/IP67 wrist	IP65/IP67 wrist	
Operating Areas (mm)				
	A	2.350	3.450	
	B	2.000	3.100	
	C	1.307	1.350	
	D	952	1.193	
	E	582	823	
Foundry version	Available	Available	Available	

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