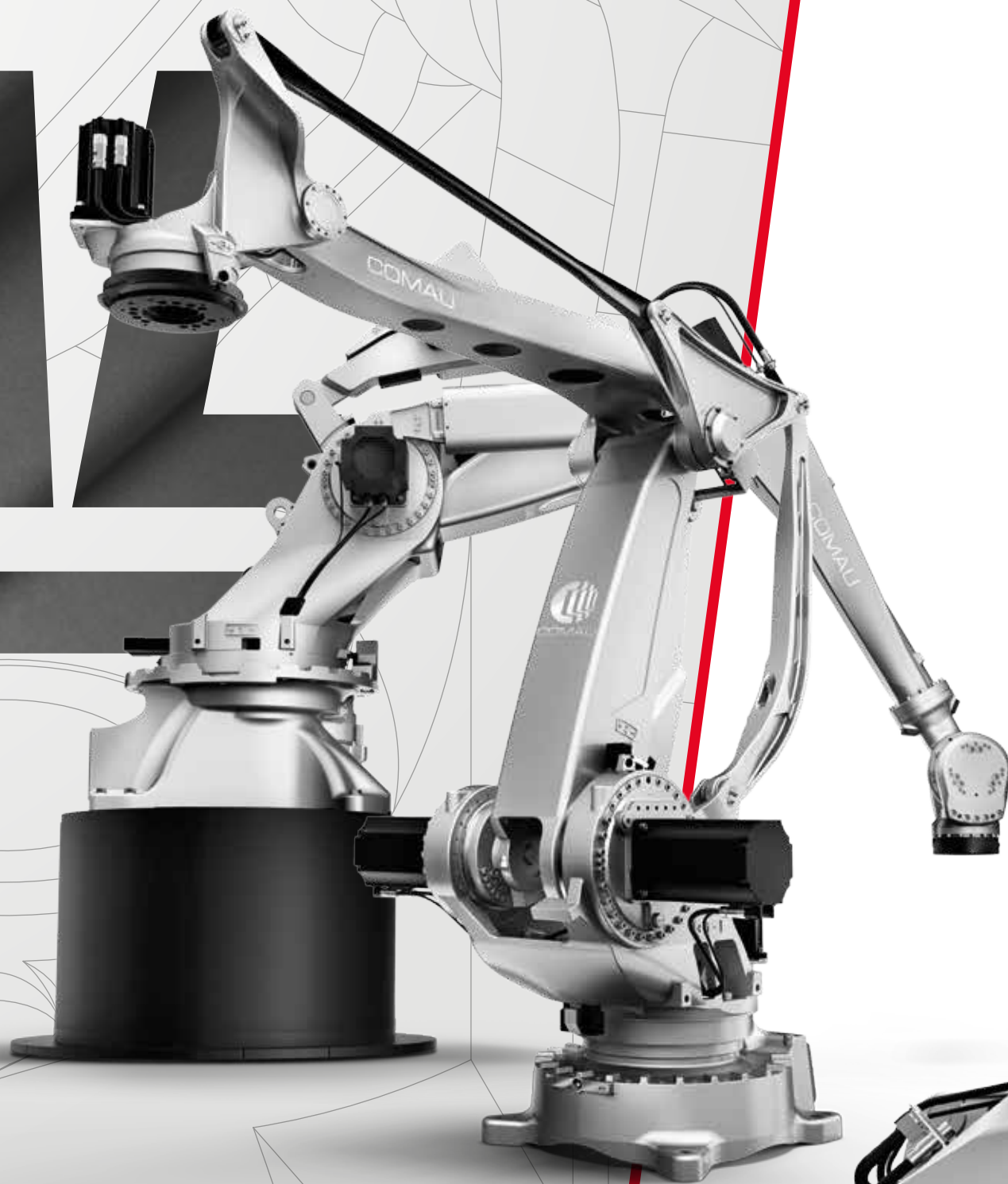


PAL

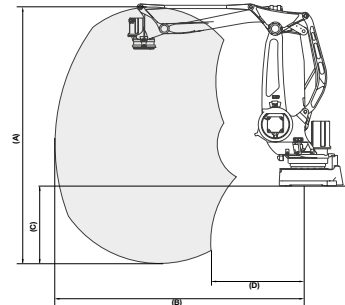
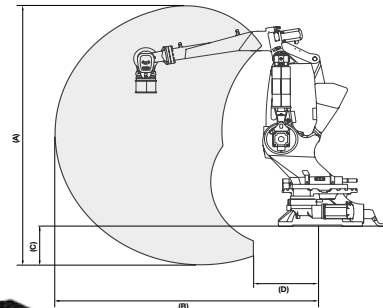
**Fast and robust
palletizing robots**

PAL 180 - 3.1

PAL 260 - 3.1



TECHNICAL SPECIFICATIONS

Model		PAL 180 - 3.1	PAL 260 - 3.1	Suggested applications
Number of axes		4	4	• Pallettizing • Handling
Maximum wrist payload		180 kg	260 kg	
Additional load on forearm		25 kg	50 kg	
Maximum horizontal reach		3100 mm	3100 mm	
Stroke (Speed)	Axis 1	+/- 180° (120°/s)	+/- 180° (120°/s)	PAL 180 / 260 
	Axis 2	-49° / + 95° (100°/s)	-49° / + 95° (90°/s)	
	Axis 3	-68° / - 208° (110°/s)	-68° / - 208° (110°/s)	PAL 470 
	Axis 5	-	-	
	Axis 6	+/- 2700° (280°/s)	+/- 2700° (260°/s)	
Repeatability		0.10 mm	0.10 mm	
Tool coupling flange		ISO 9409 - 2 - 200 - 6 - M12	ISO 9409 - 2 - 200 - 6 - M12	
Robot weight		1213 kg	1213 kg	
Protection class		IP65	IP65	
Mounting position		Floor / Shelf	Floor / Shelf	
Operating Areas	A	3147 mm	3147 mm	
	B	3099 mm	3099 mm	
	C	952 mm	952 mm	
	D	1182 mm	1182 mm	

