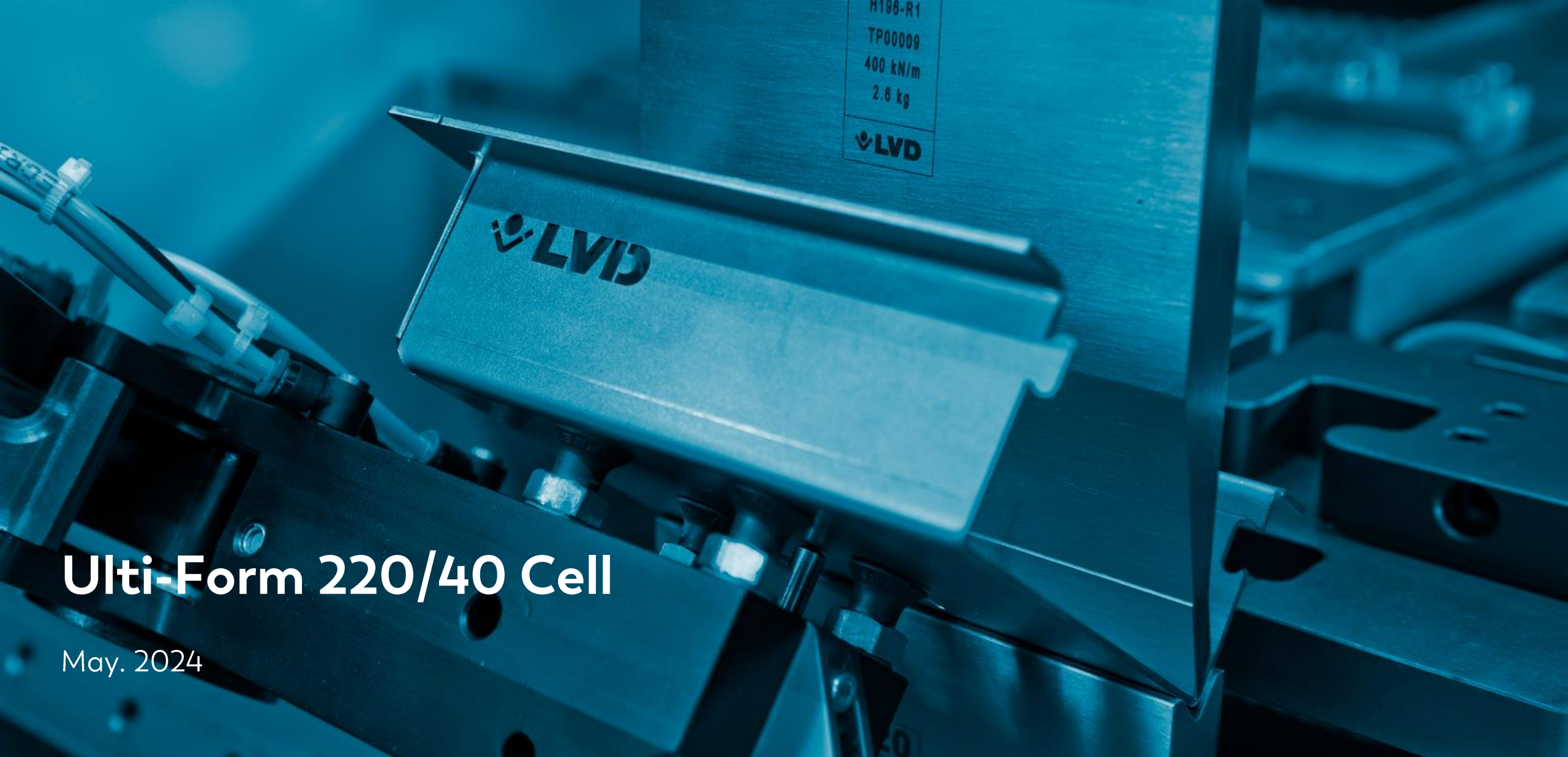


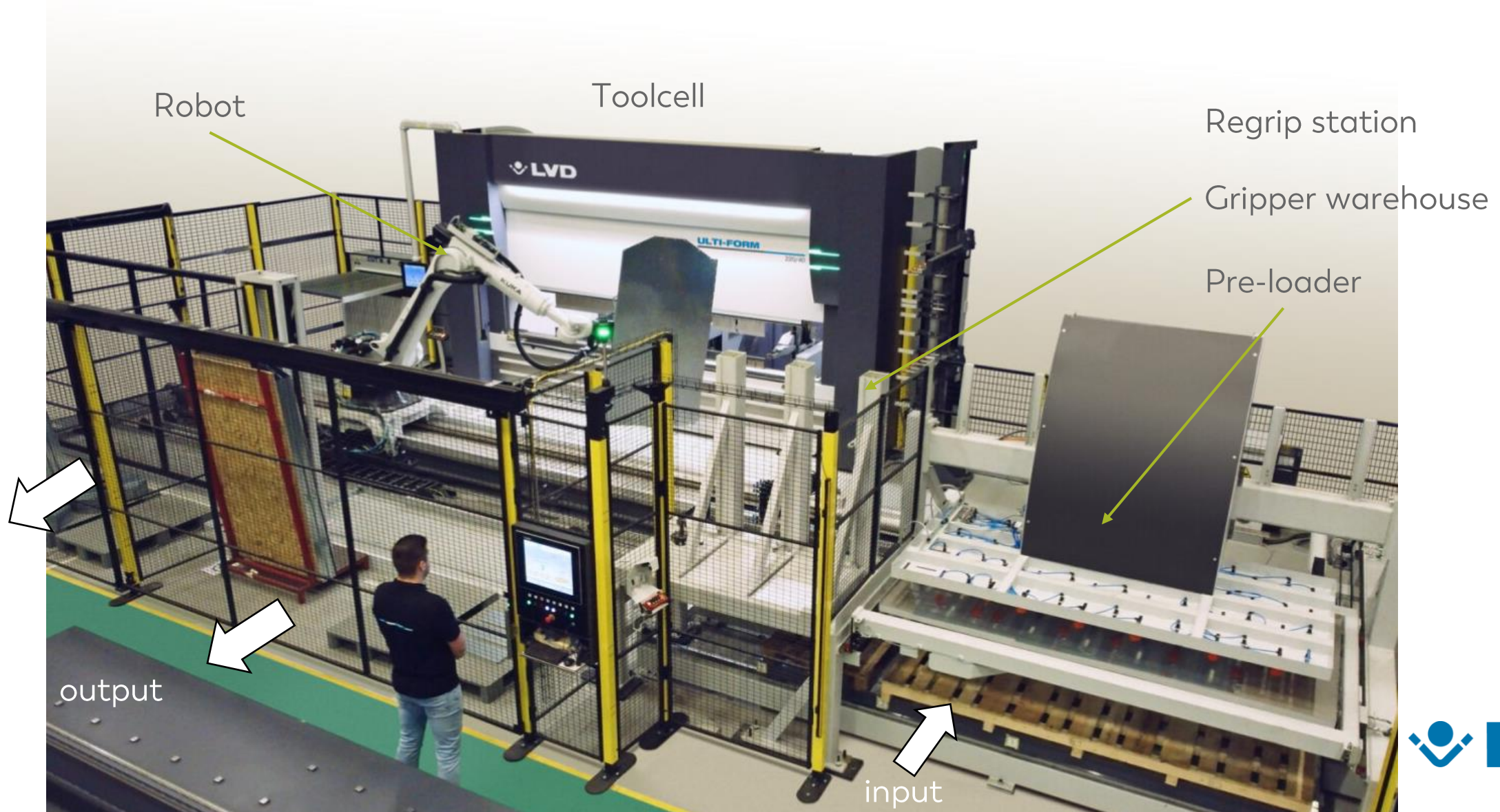


Ulti-Form 220/40 Cell

May. 2024

ULTI-FORM 220/40

LAYOUT



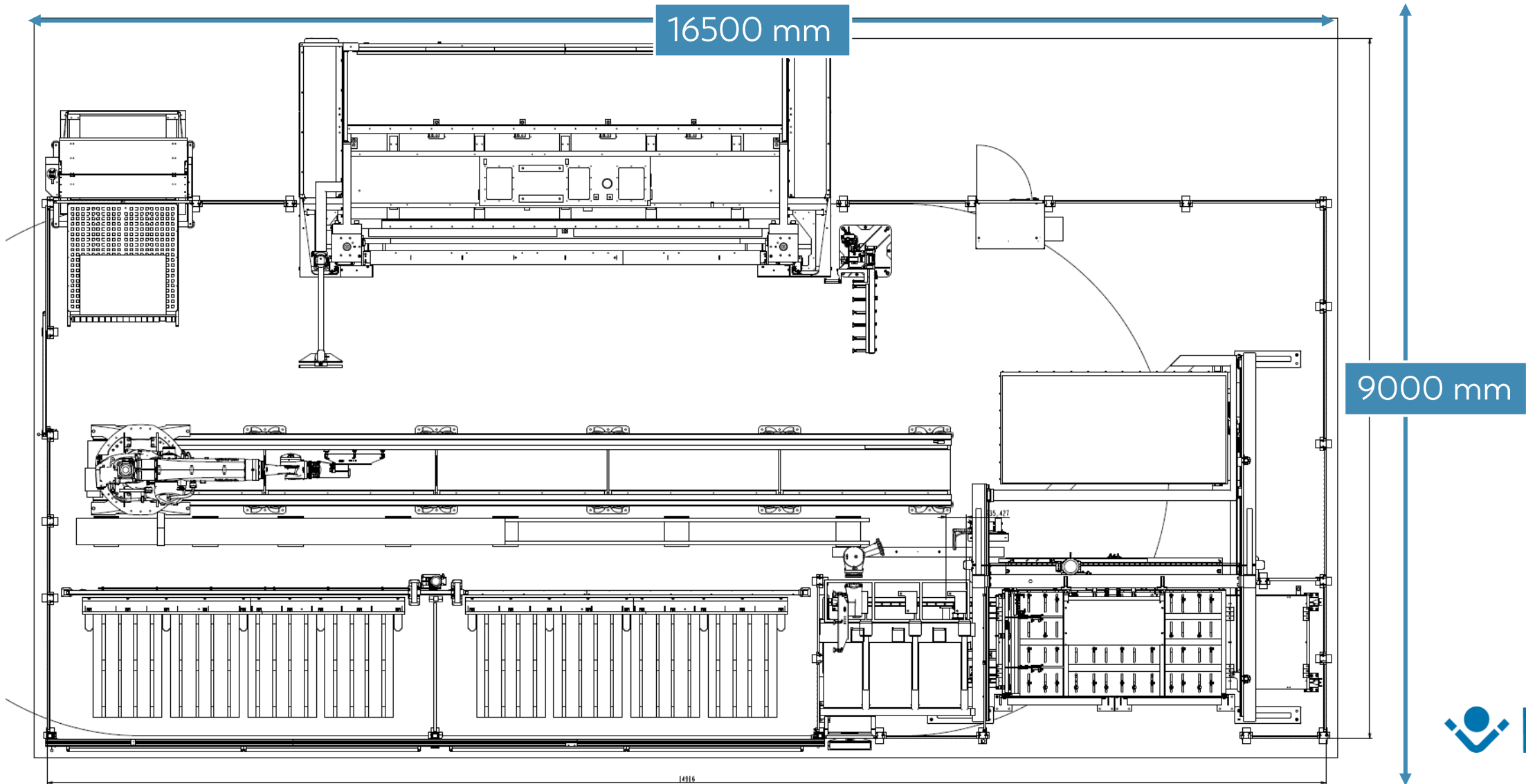
ULTI-FORM 220/40

LAYOUT



ULTI-FORM 220/40

FLOOR SPACE



ULTI-FORM 220/40

Configuration

		ULTI-FORM 220/40
	Pressbrake type	Toolcell 220/40
	Die Height	mm 130
	Punch Height	mm 194
	Press Force	kN 2200
	Bed Length	mm 4000
	KUKA Robot	KR210 R3100
	Max Part Weight	kg 75
	Max. Unfolding Box	mm 2500 x 1250
	Max. Unfolding Profile	mm 3000 x 1250
	Min. Unfolding	mm 350 x 100
	# Input Pallets	3
	# Output Europallets	8 (2 x 4)
	# Vacuum Circuits	16
	Swivel Axis	NO
	Manual Operation	YES
	Automatic Gripper Change	YES (max 5 grippers)
	Automatic Tool Change	YES
	Linear Rail	YES (10m)

ULTI-FORM 220/40

Pressbrake Toolcell 220/40



Description

TOOLCELL 220/40

TC3670	Stroke ram 400mm
TC3660	Opening 600mm
TC5621	Robot Interface
TC9030	Robot Communication Software
TC3295	Hardened Clamping

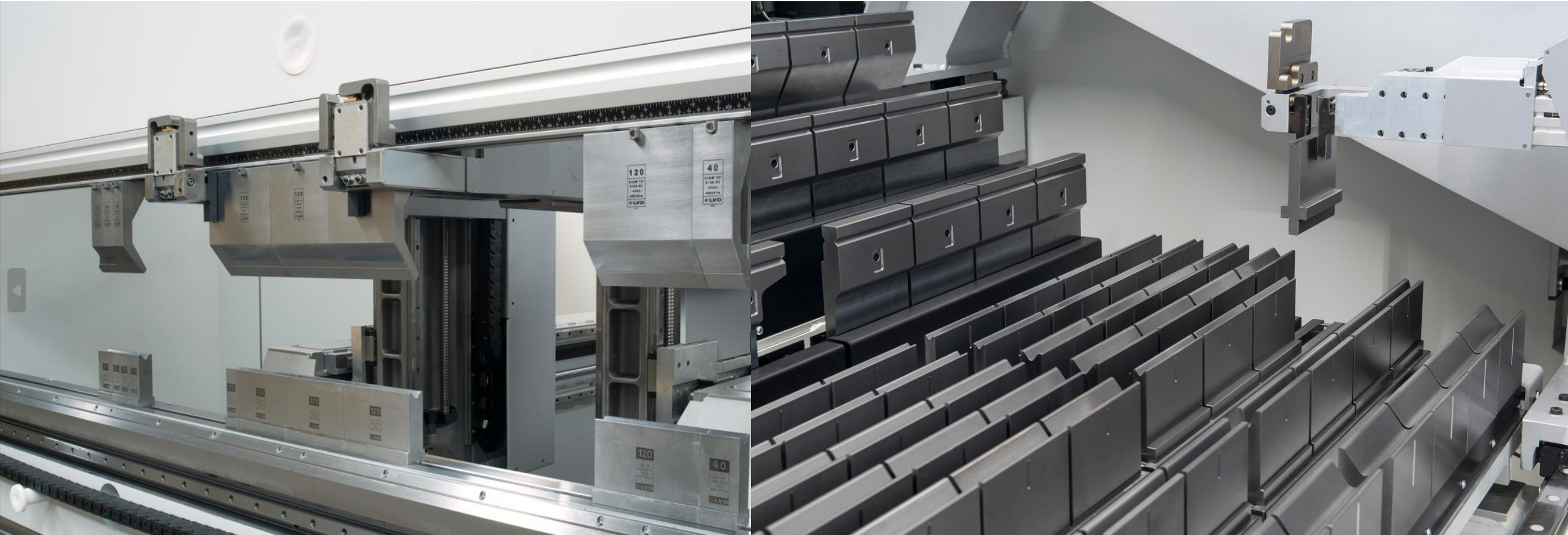
CADMAN-B License

CADMAN-Sim License



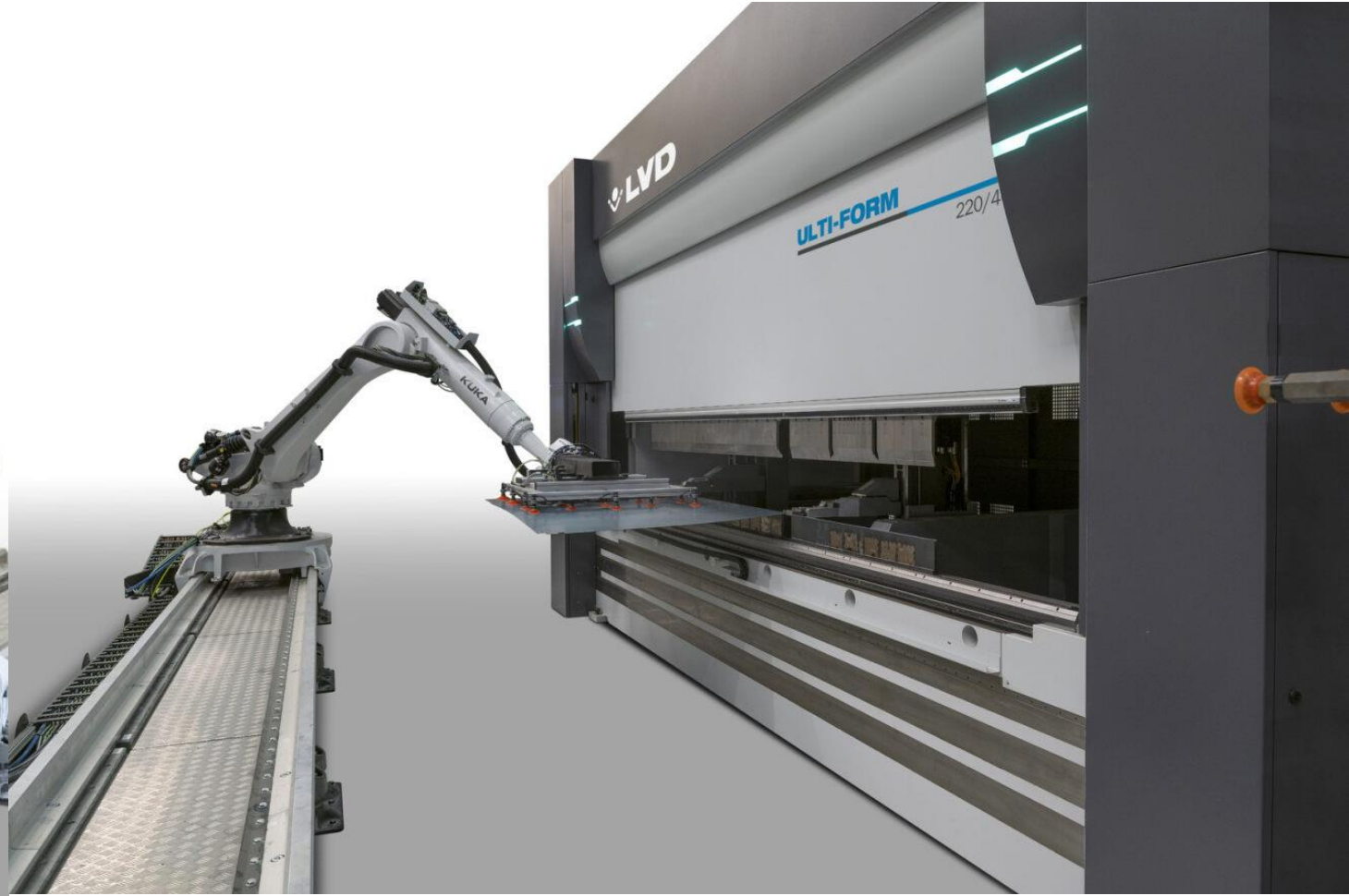
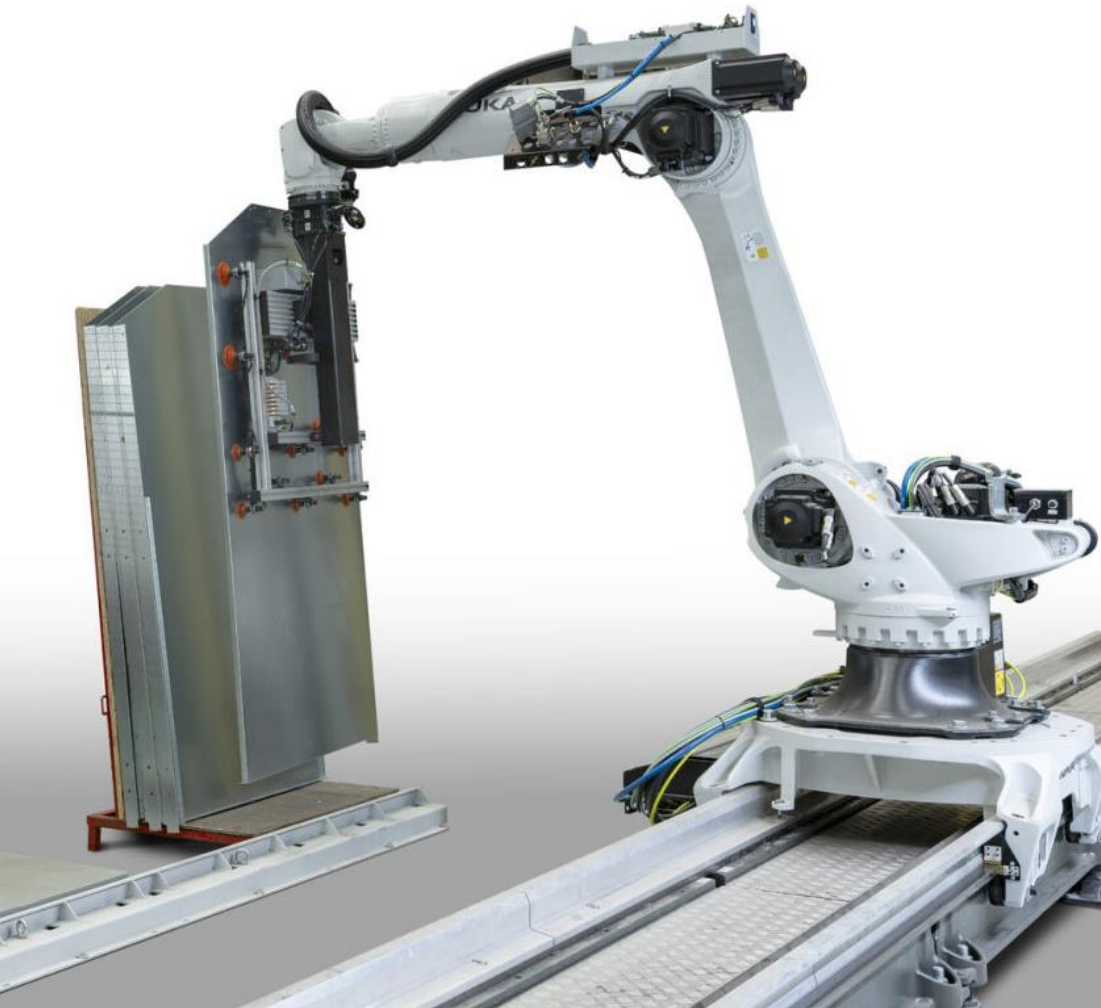
ULTI-FORM 220/40

Automatic Tool Change



ULTI-FORM 220/40

Linear Axis 10,5m + Robot KR 210 R3100 + Software



ULTI-FORM 220/40

TOUCH-B controller



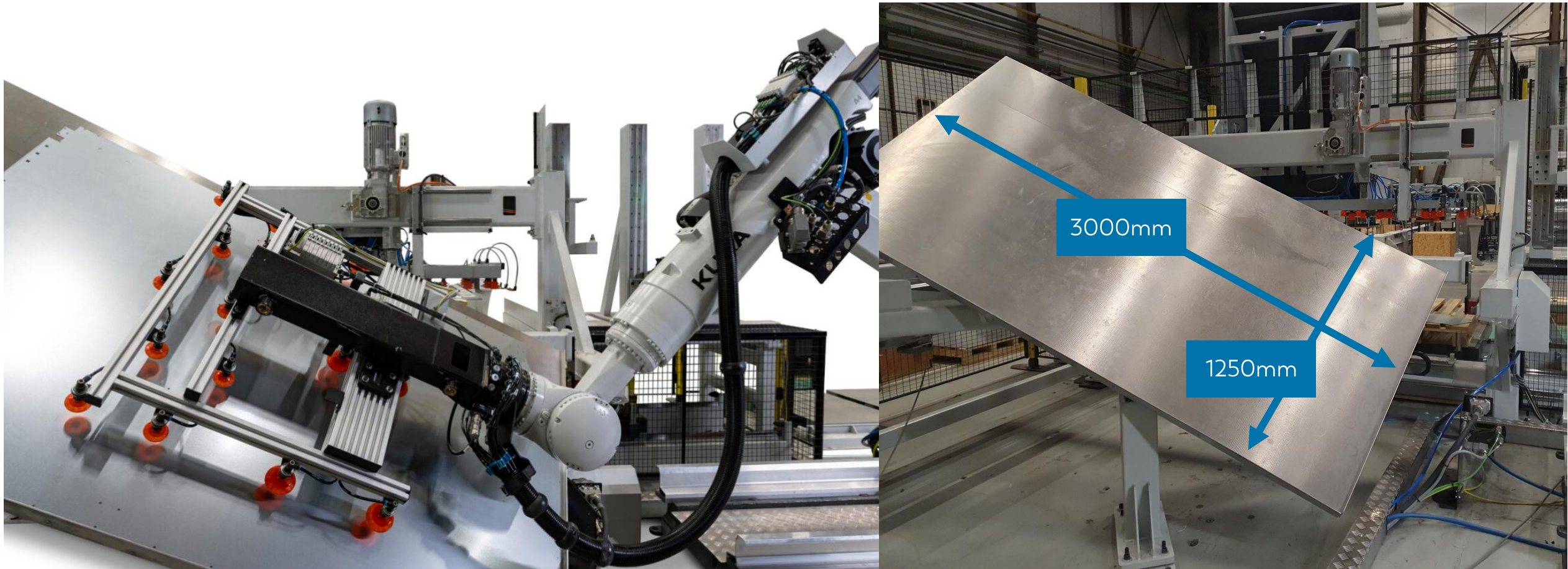
ULTI-FORM 220/40

PRELOADER



ULTI-FORM 220/40

CENTERING TABLE



ULTI-FORM 220/40

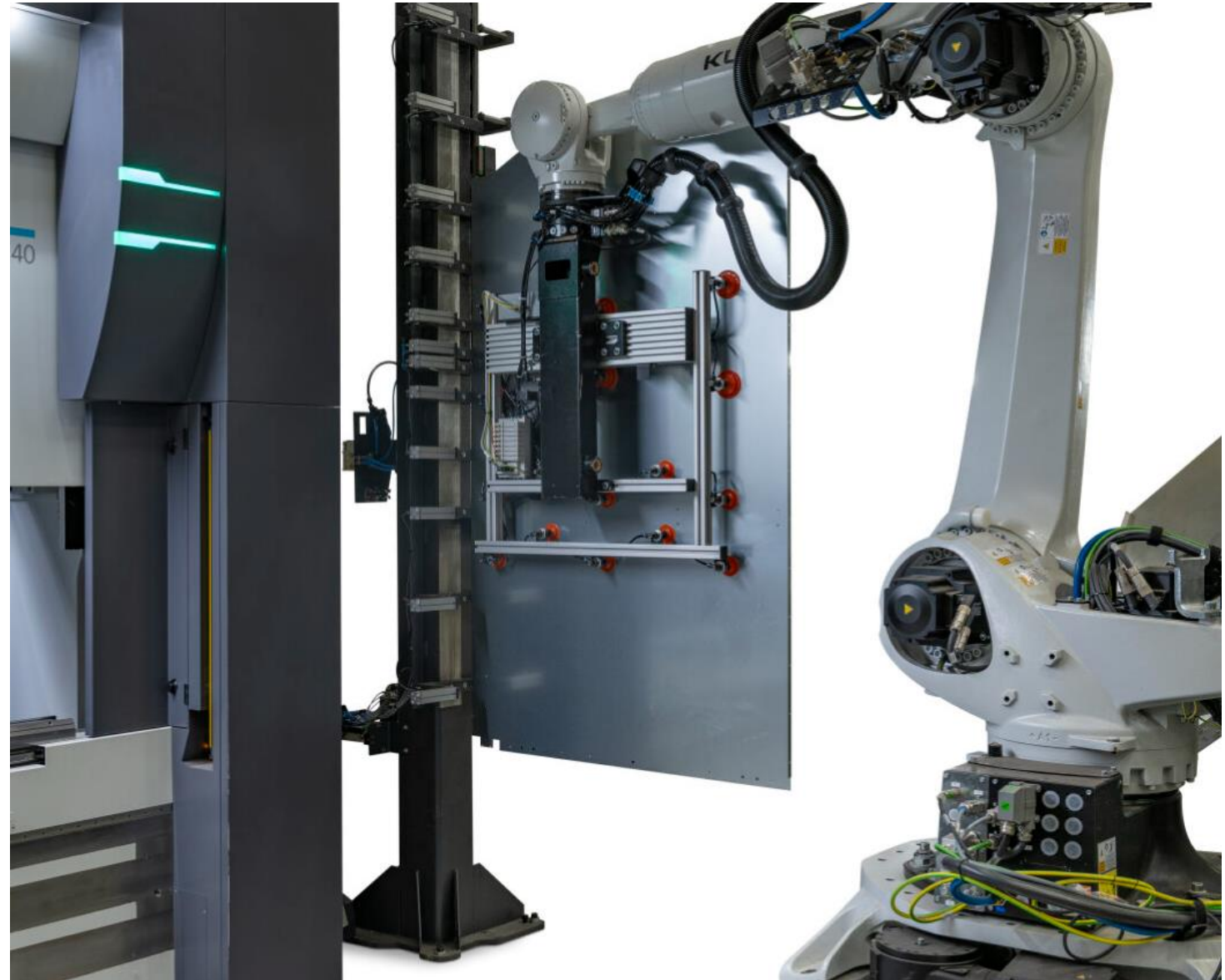
INPUT CONVEYOR



ULTI-FORM 220/40

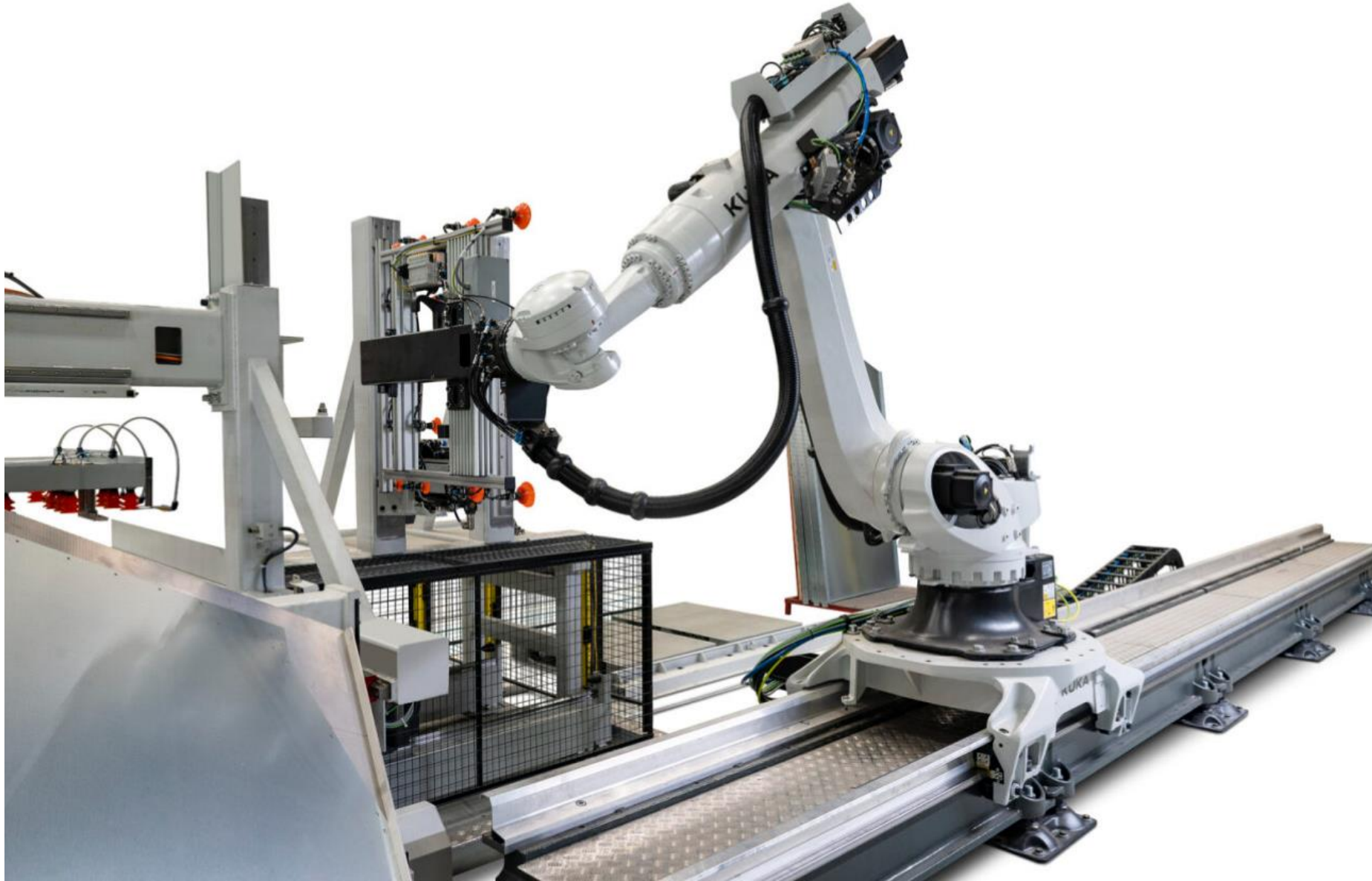
REGRIPSTATION

- suction cups on movable arms
- Position controlled by servo motor
- Clamps on fixed positions



ULTI-FORM 220/40

AUTOMATIC GRIPPER CHANGER + GRIPPER WAREHOUSE



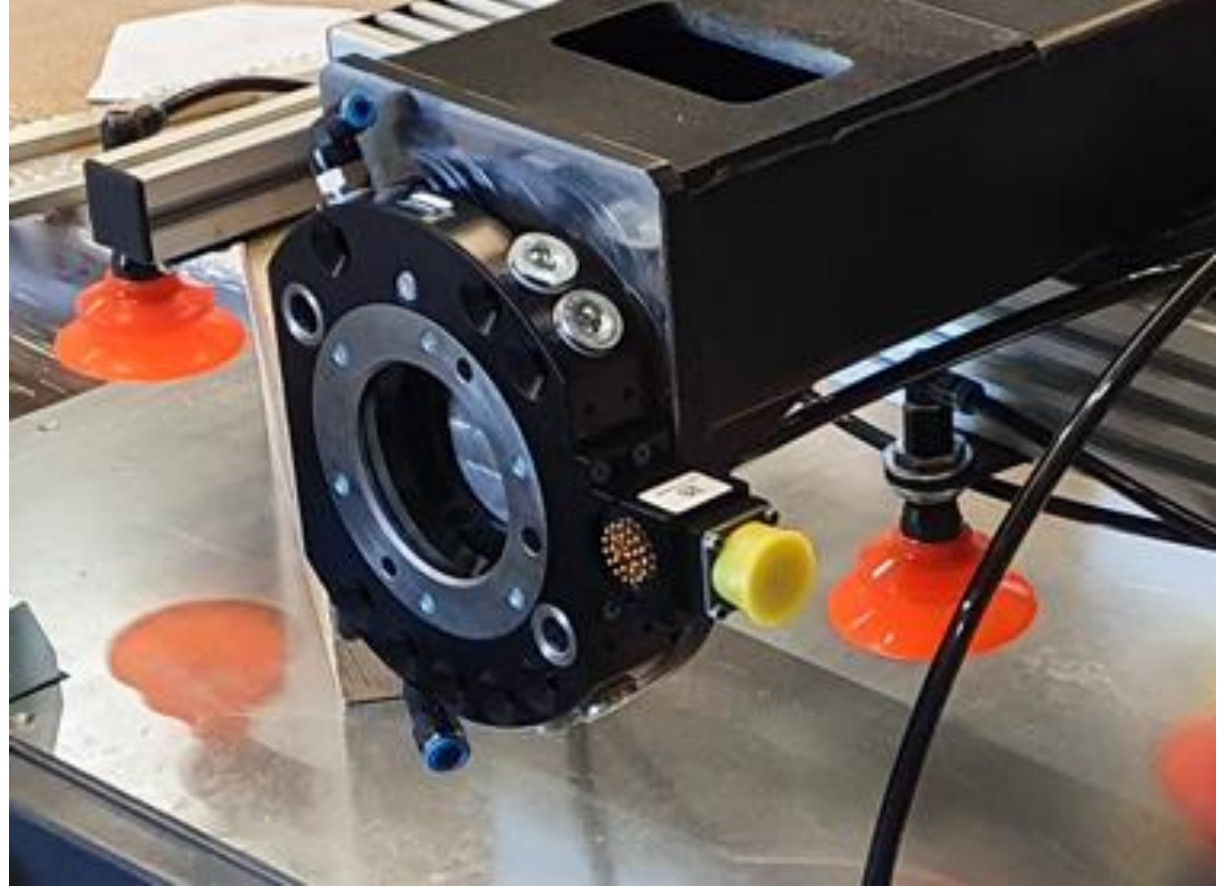
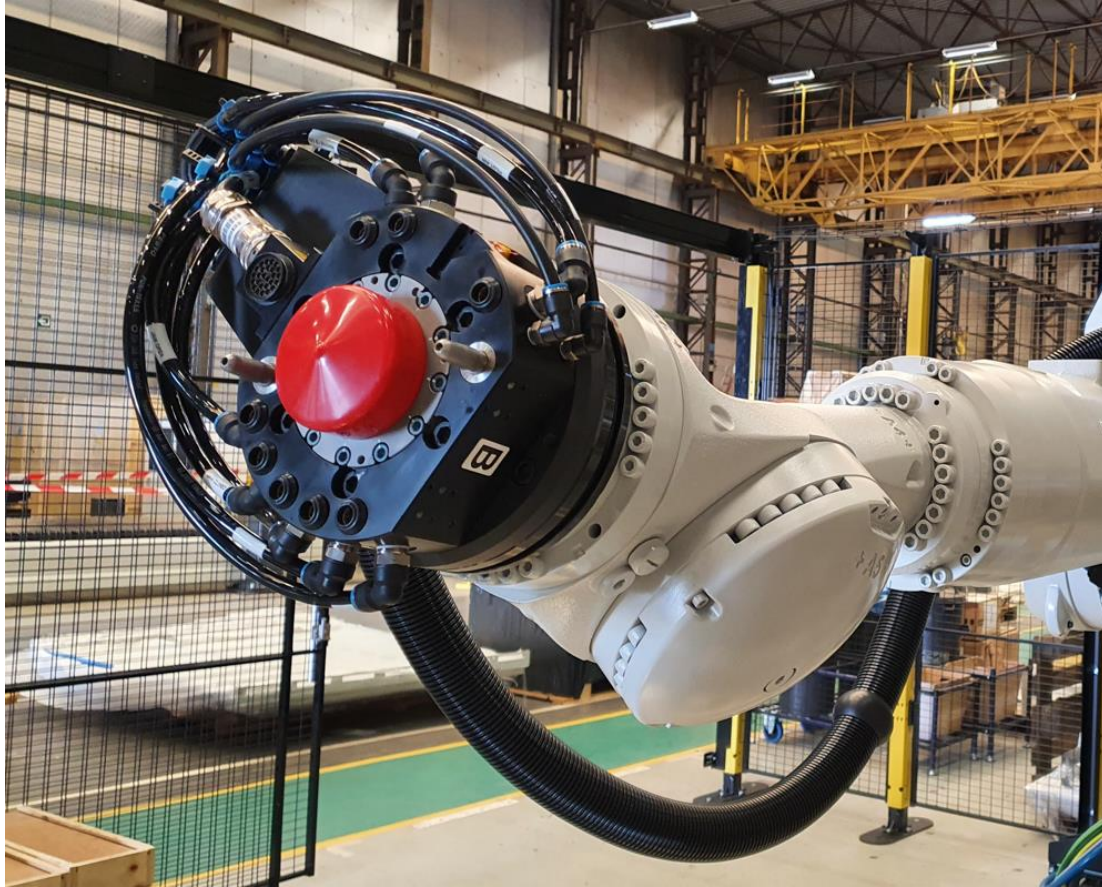
ULTI-FORM 220/40

AUTOMATIC GRIPPER CHANGER + GRIPPER WAREHOUSE



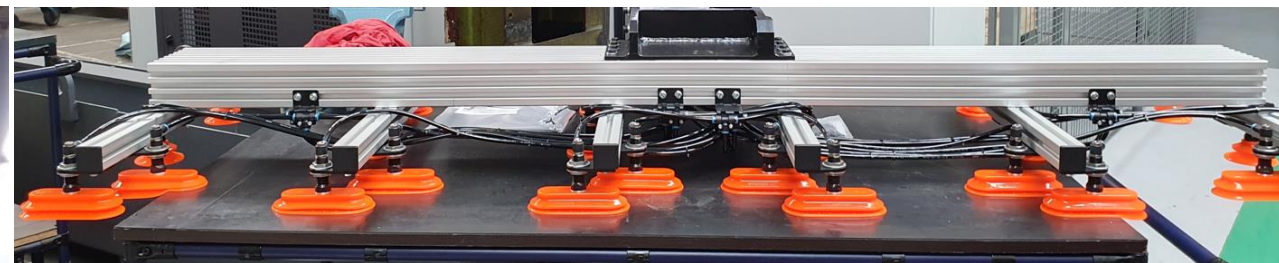
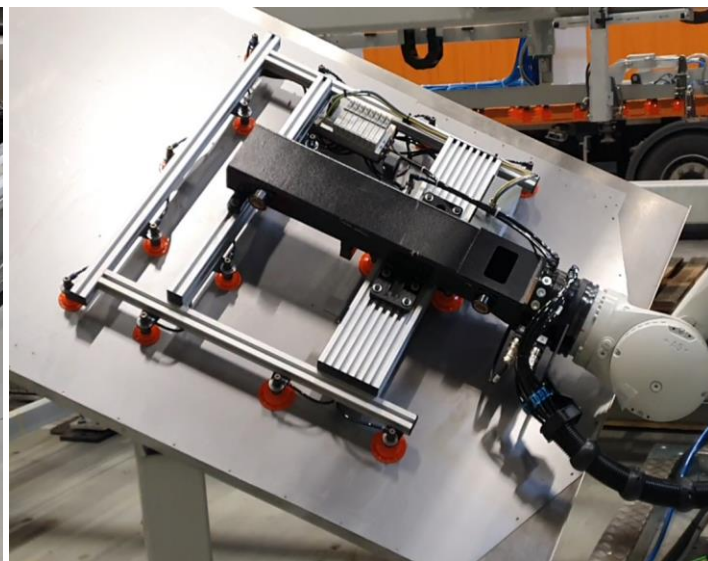
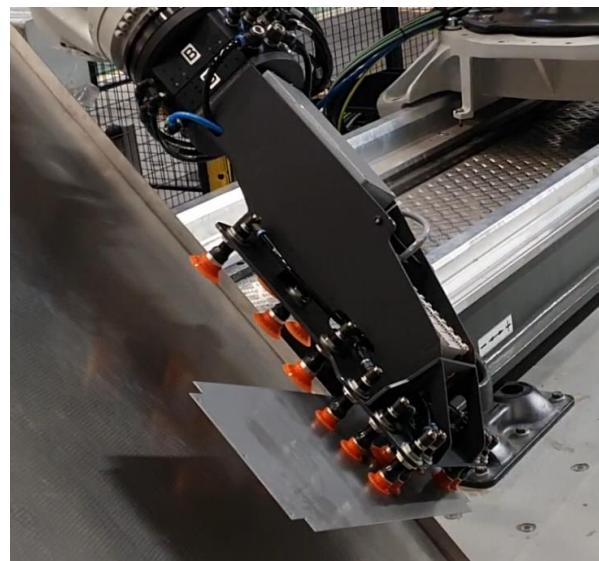
ULTI-FORM 220/40

AUTOMATIC GRIPPER CHANGE



ULTI-FORM 220/40

GRIPPERS



ULTI-FORM 220/40

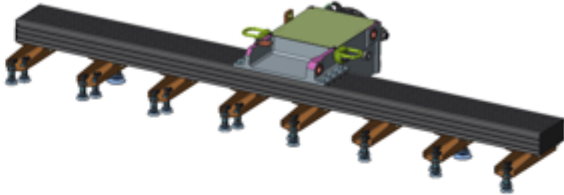
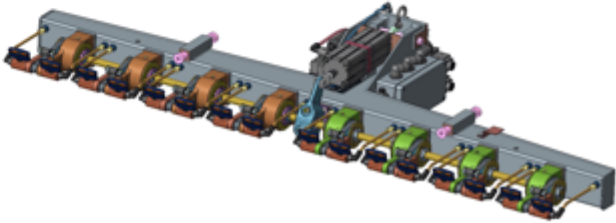
GRIPPERS

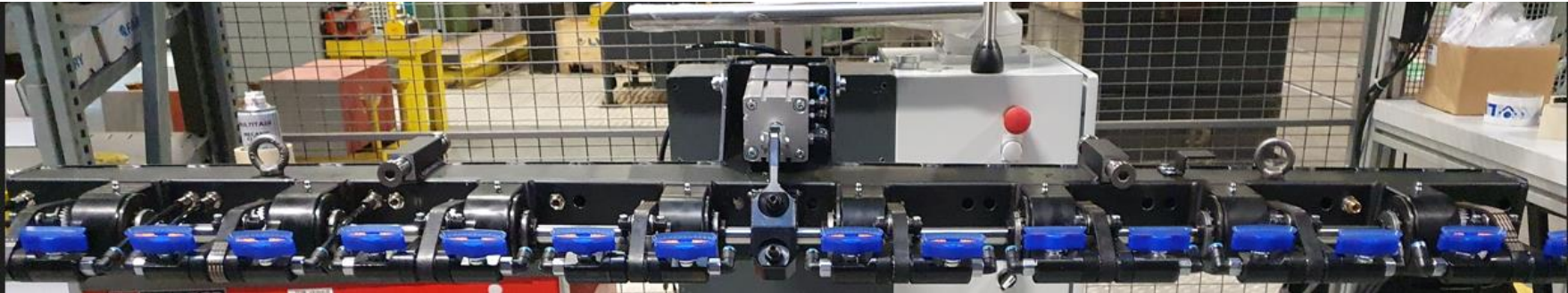


		SWS-110	
1	Gripper-ID	GR2001	
	Gripper-layout	Z000104664	
	Minimum Flange	280x80	
	Bounding Box	1000x935	
	Maximum Weight*	70	
	Suction Cups	16	
	Magnets	0	
	Jaws	0	
2	Gripper-ID	GR2002	
	Gripper-layout	Z000104666	
	Minimum Flange	100x45	
	Bounding Box	435x345	
	Maximum Weight*	24	
	Suction Cups	16	
	Magnets	0	
	Jaws	0	
3	Gripper-ID	GR2003	
	Gripper-layout	Z000104670	
	Minimum Flange	270x190	
	Bounding Box	2180x700	
	Maximum Weight*	75	
	Suction Cups	24	
	Magnets	0	
	Jaws	0	

ULTI-FORM 220/40

GRIPPERS

4	Gripper-ID	GR2004	
	Gripper-layout	Z000104672	
	Minimum Flange	100x85	
	Bounding Box	1905x270	
	Maximum Weight*	42	
	Suction Cups	18	
	Magnets	0	
	Jaws	0	
5	Gripper-ID	GR2005	
	Gripper-layout	Z000104674	
	Minimum Flange	183x50	
	Bounding Box	1669x50	
	Maximum Weight*	35	
	Suction Cups	16	
	Magnets	0	
	Jaws	0	



ULTI-FORM 220/40

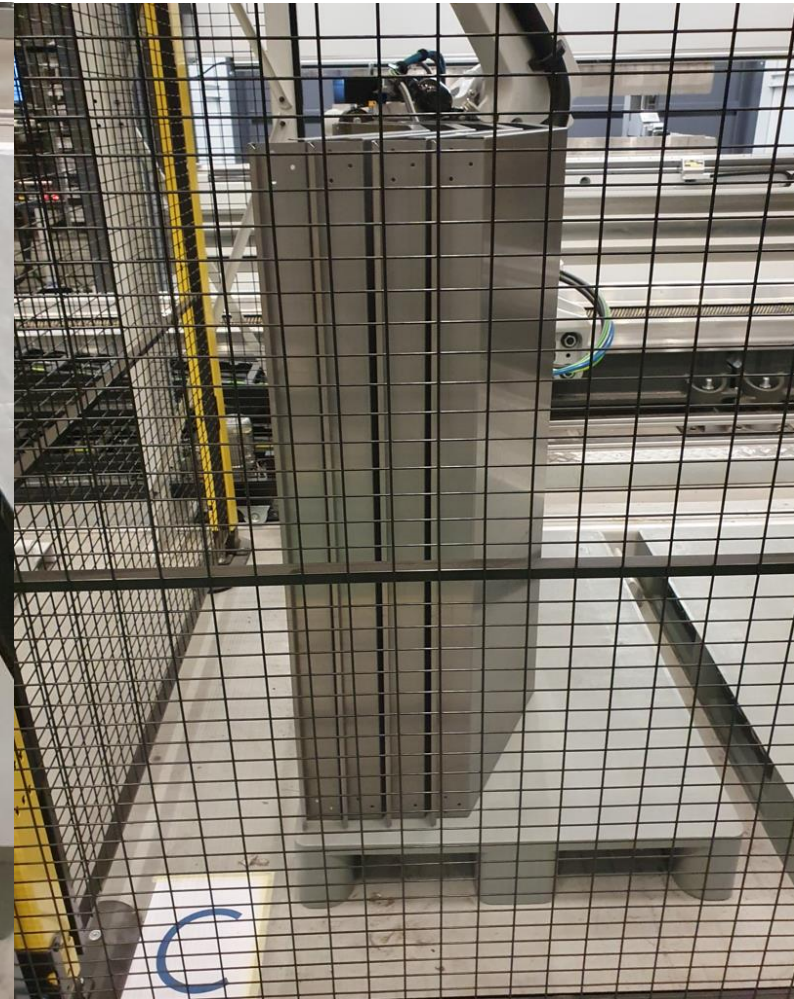
OUTPUT

- 2 stacking zones of 4 pallets
- Not active stacking zone is accessible without interrupting robot



ULTI-FORM 220/40

OUTPUT



ULTI-FORM 220/40

OUTPUT



THANK YOU