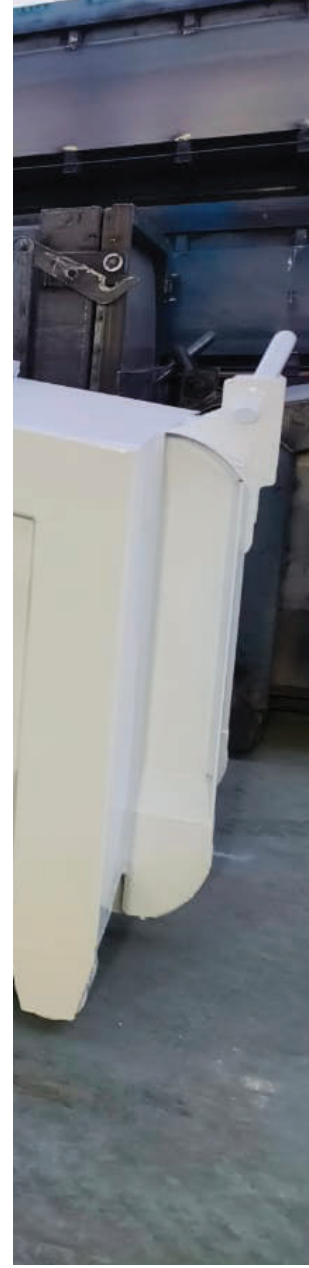
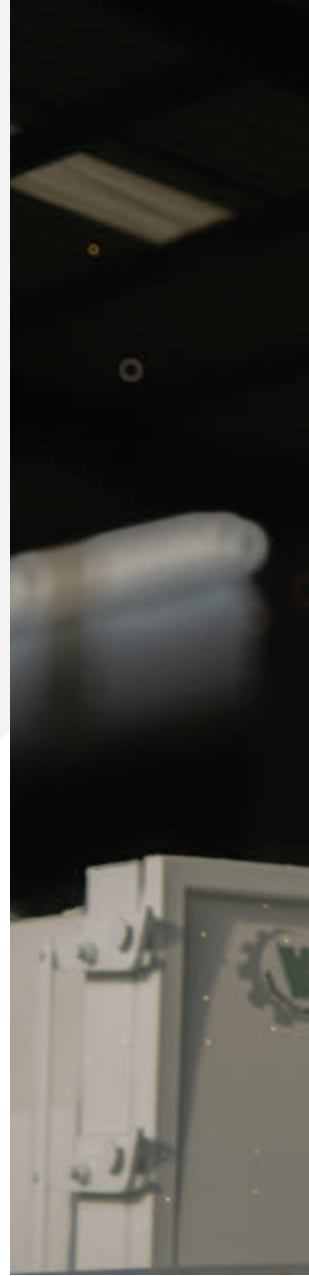




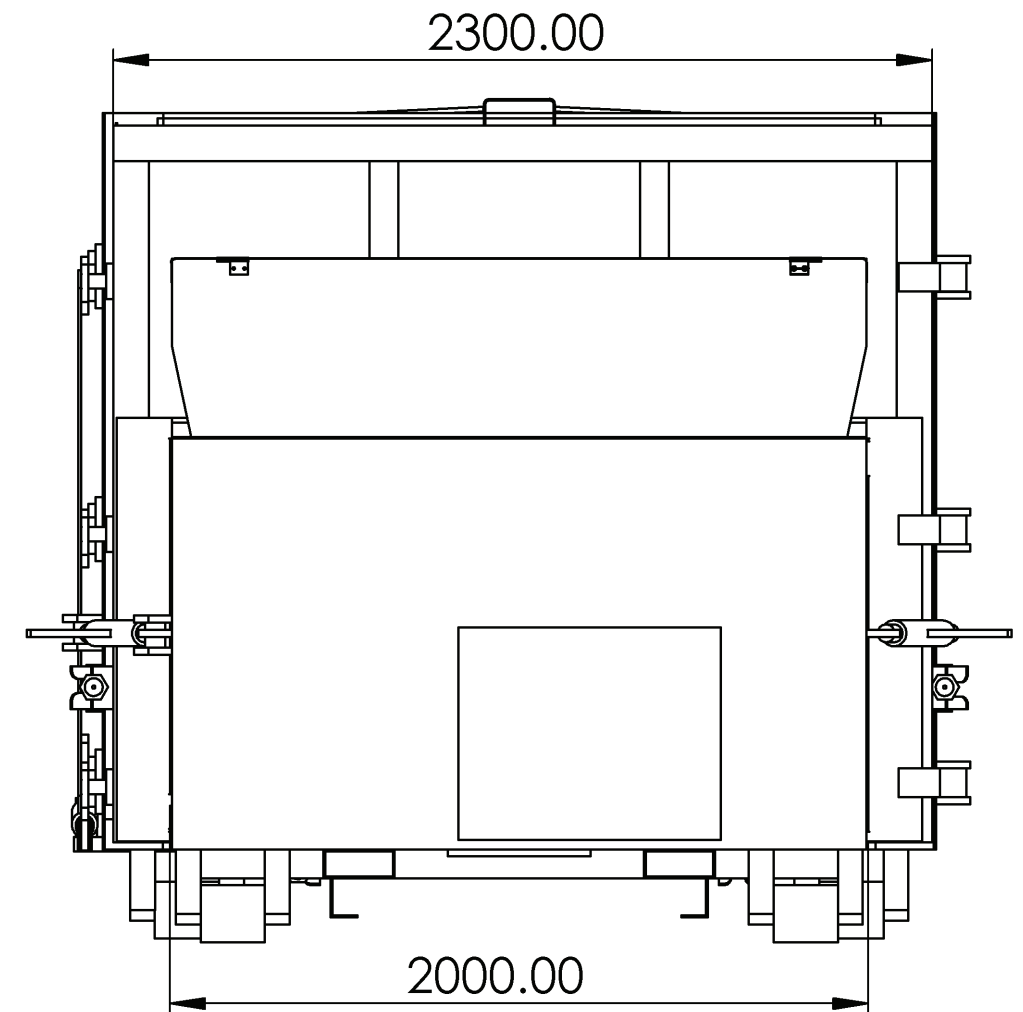
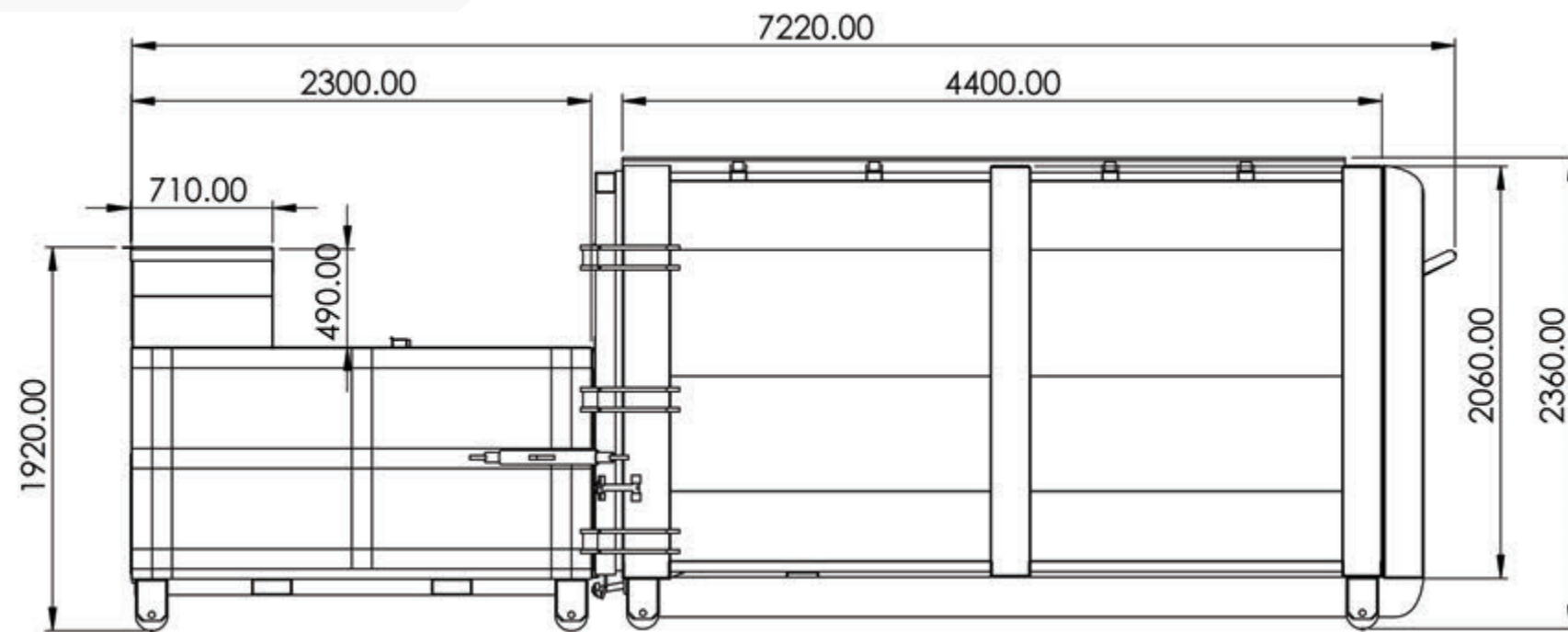
Wasaet Al-Naqil Factory for Metal Industries

شركة مصنع وسائط النقل للمنتجات المعدنية

ضابط ثابت 20 متر مكعب | HORIZONTAL WASTE COMPACTOR (STATIC)

HORIZONTAL WASTE COMPACTOR (STATIC)

Static horizontal waste compactor designed for intensive-duty operation and high throughput, equipped with advanced safety interlocks and reliable hydraulics for continuous operation. It preserves the site's aesthetic appearance by enclosing waste, reducing visual clutter, and supporting odor control.



Technical Specifications		
Section	Parameter	Description
General specifications	Equipment type	Static horizontal waste compactor (stationary)
	Compatible container volume	20 m ³
	Waste type	General waste
	Loading / handling	Container Hook-lift compactor forklift or crane
	Weight (empty)	Container Approx. 3–4 tons (empty) Compactor Approx. 2–2.5 tons (empty)

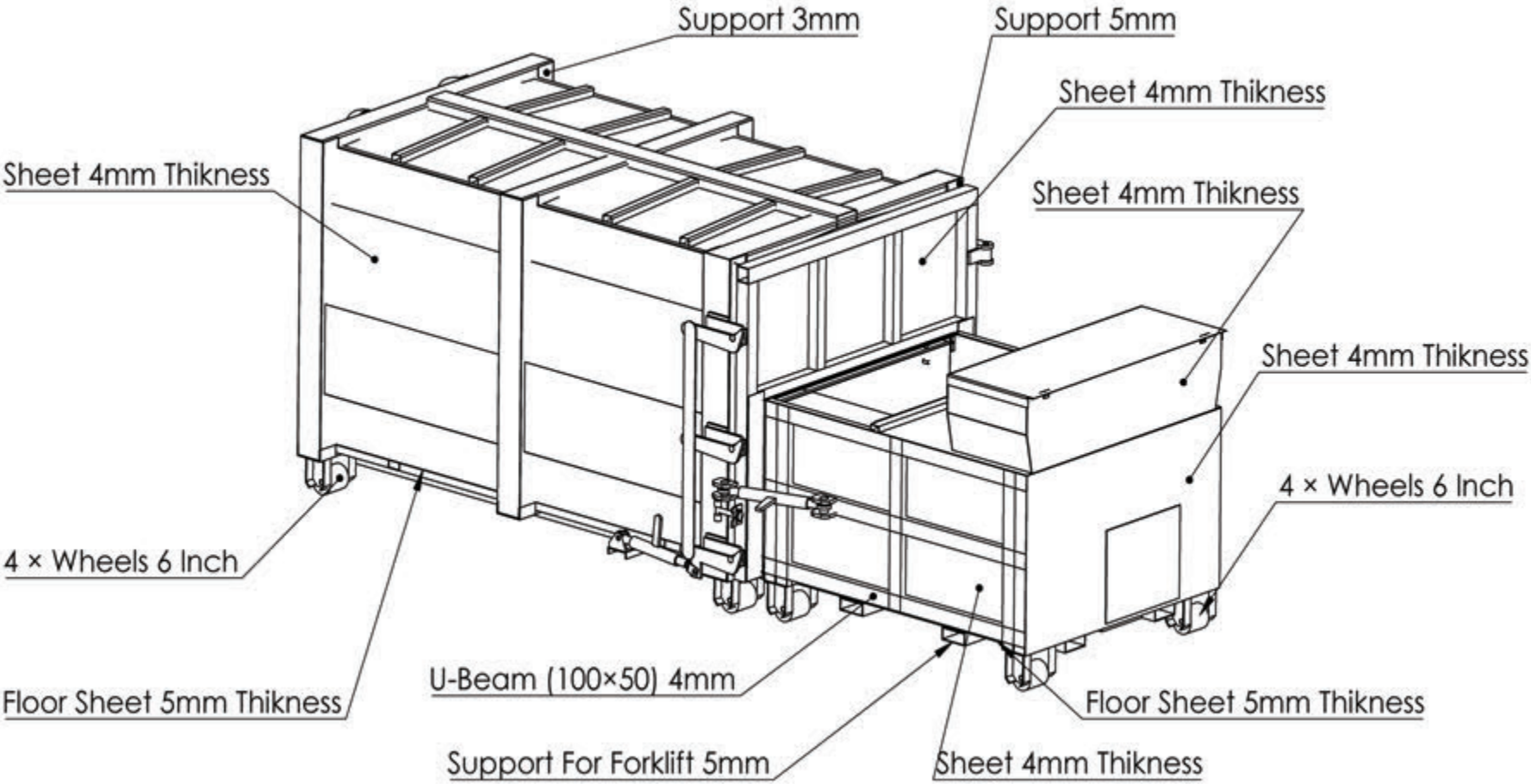
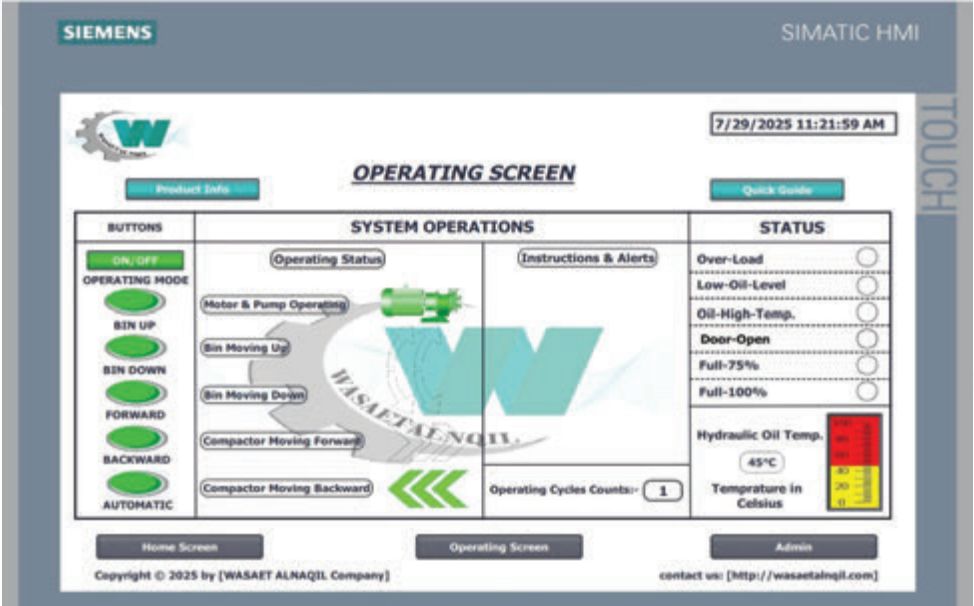
Dimensions	overall dimensions (mm)	(L×W×H) (7220 × 2300 × 2360) mm (max)
	Fixed compactor (mm)	(L×W×H) (2300 × 2000 × 1920) mm (max)
	Movable container (mm)	(L×W×H) (4400 × 2300 × 2360) mm (max)
	Throwing area (mm)	1000 × 2000 mm
	Hopper capacity (m ³)	As desired (optional)
	Waste volume per compaction cycle (m3)	2 to 2.5 m3
	Waste collecting container (m3)	20 m ³
Mechanical & structure	Fixed compactor	
	Chassis (mm)	Heavy-duty base frame (U-beam) suitable for stationary installation with 20 m ³ container and forklift loading
	Body sheets (mm)	floor (6) mm + sides (5) mm
	Side supports (mm)	U-beam (160*65*7) mm
	Loading hook (mm)	4 pcs upper hooks (25mm)
	Compaction ram movement	The compaction ram travels on Teflon-lined guide rails
	Movable container	
	Chassis (mm)	Heavy-duty base frame (U-beam) suitable for hook-lift loading
	Body sheets (mm)	floor (6) mm + sides (5) mm + top (4) mm
	Side supports (mm)	Plate bent (200*75*6) mm
	Loading hook (mm)	55mm
	emptying door (mm)	Sheet (6) mm + tube support (100*100*6) mm
	Emptying door sealing	Double rubber sealing + (2) tension latches for tight sealing closure
	Noise level (dB)	≤ 75 dB(A) at 1 m
	Discharge	Hook-lift



Hydraulic system	Press type	Hydraulic press, approx. (as per design), chrome-plated cylinders
	Operating pressure (bar)	Normal operating pressure 140 bar max 250 bar
	solenoid Valves	Solenoid directional valve (315bar max P/A/B) max flow 80 L/min
	Gear pump (flow)	Gear pump 16 L/min
	Oil tank (L)	100 L + oil level gauge + filter
	Hydraulic oil grade	AW68
	Compaction ratio	5:1 (depends on waste type)
	Compaction cycle time (sec.)	30 sec
	Main components brand	Parker / Rexroth (or equivalent)
	Other accessories	(Check & safety valves / pressure gauge / oil filter)
Electrical system	Power supply	3-Phase, 380V, 50/60Hz (or as required)
	Power socket	Hard-wired connection / 5-pin industrial plug (3P+N+PE) / IP67 (as required)
	Motor power (kW)	7.5 kW 50/60hz
	Control box (mm)	(600×500×200) mm / IP56
	Power source safety	Over/under voltage + phase sequence + MCCB
	Control circuit power	230 VAC / 24 VDC
	Control system	PLC SIEMENS S7-1200
	sensors	Oil level + overload + fullness levels (75%-100%)
	Operating panel	IP 65
		Emergency switch / (2 pcs) each side
		Start / Stop push buttons
		power on indicator
		overload indicator
		75% indicator
		100% indicator
		low oil level indicator
	safety	Auto shutdown in case of overload, power failure, 100% fullness.
	Operating Data Logging	The PLC stores operating data, including operating cycles, full-level events (75% and 100%)
	Component's brand	Schneider / Siemens / ABB (or equivalent)



Painting & labels	internal	Acid-resistant epoxy (2 coats)
	External	Anti-rust (2 coats) + final paint (2 coats)
	labels	Safety instruction stickers / warning labels
	Customer branding	Customer logo + contact numbers
Services & warranty	Testing	FAT/SAT checklist + functional & safety tests
	Warranty	12 months
	Warranty services	Available locally / Lead time 24 hours
		Scheduled on-site preventive maintenance visit every 3 months
Optional / additional charges	certificates	ISO 14001:2015 / ISO 45001:2018 / ISO 9001:2015 / Saudi Made
	Mechanical	Feeding hopper / throwing chute arrangement (as required)
	Hydraulic	Air–Oil cooler (if required by duty cycle / enhanced cooling)
	Electrical	Remote controller + HMI complete alarm/fault history with date/time stamps. SCADA/IoT interface available





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