

FACTORY

Our factory, planned to be established in Ankara/TURKEY to produce high-quality, special-purpose vehicles for the defense industry, will provide a total of 8,500 m² of service with a 6,000 m² closed production area equipped with modern production technologies, 2,500 m² open area. This facility will provide a strong production infrastructure by combining the knowledge of our expert engineering staff.

The vehicles to be produced in our new facility stand out with their structures that can operate safely in difficult terrain and climate conditions and have high safety standards. The product categories we have developed are as follows:

1-Garbage Transfer Equipment

- Hydraulic Compressed Gabrage Truck (5-22m³)
- Walking Floor Gargabe Semi Trailer
- Top Loading Garbage Semi Trailer
- Skip Loader
- Hook Lift

2- Trailers

- Car Carrier Trailers
- Container Carrier Trailers
- Dolly
- Tipper Trailers

3-Fire-Fighting and Resque Vehicles

- Municipal Type Fire Truck
- Rapid Intervention Vehicles (RIV)

4-Defence Industry

- Armored Personnel Carrier (APC)-CIHAN
- Tank Transporter and Recovery Lowbed Trailer (80-120 Tons)
- Troop Carrier
- Special Projects

These vehicles are designed to meet the operational needs of military units and are competitive in the international market.

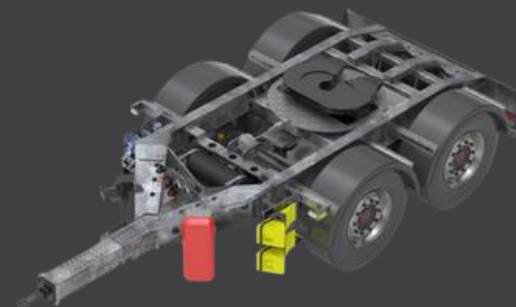
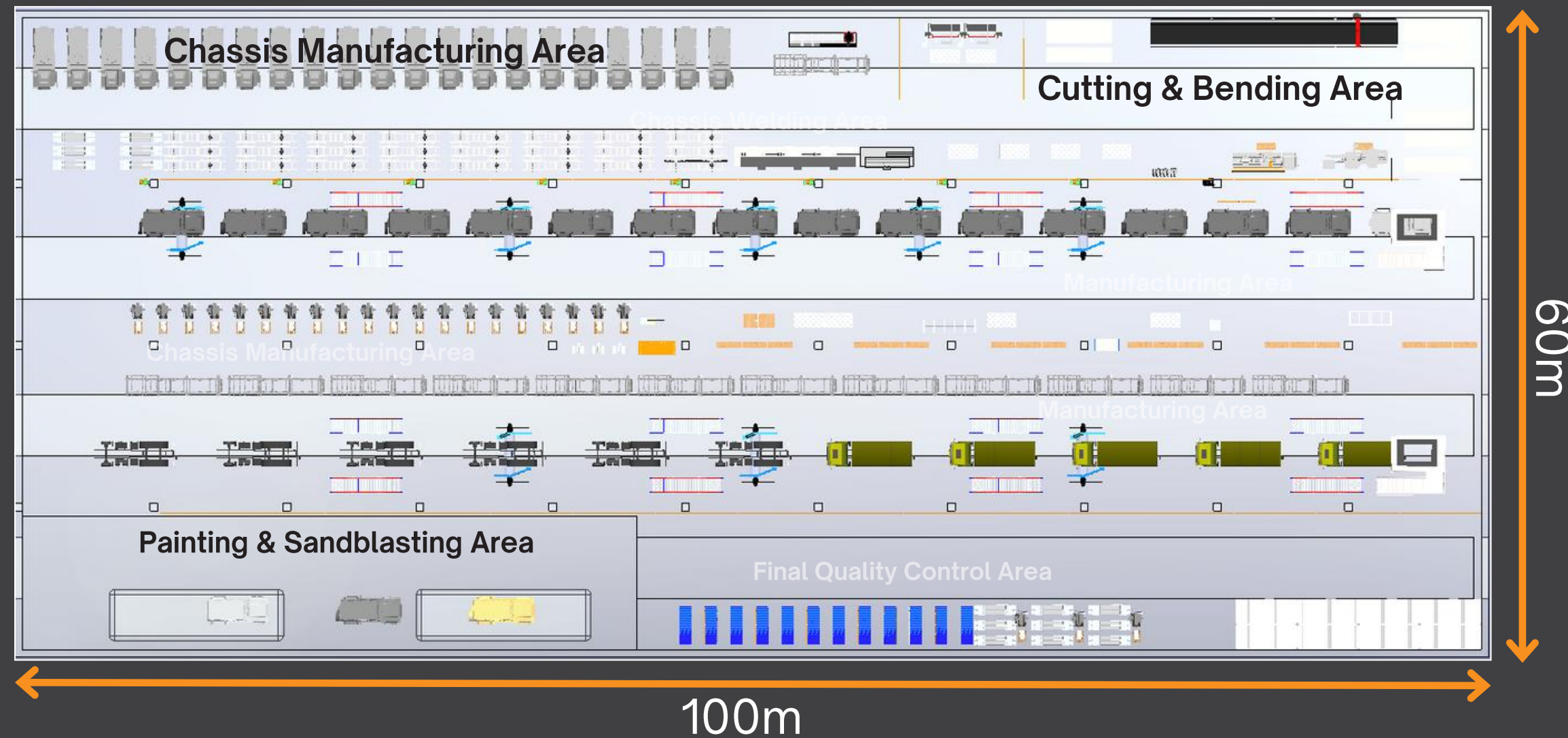
Our aim is to contribute to the defense industry with innovative, reliable and high-quality products. We prioritize engineering discipline, technological innovations and quality-oriented approach in all stages from the design of our products to the testing processes.

RI auto
industry



FACTORY

- Office Area
- Painting & Sandblasting Area
- Final Quality Control Area
- Manufacturing Area
- Chassis Manufacturing Area
- Park and Delivery Area
- Warehouse Area
- Cutting & Bending & Processing Area
- Chassis Welding Area
- Electrical and Hydraulic Assembly Area



FACTORY



PRODUCT RANGE

1-GARBAGE TRANSFER EQUIPMENT

- Hydraulic Compressed Garbage Truck (5-22m³)
- Walking Floor Garbage Semi Trailer
- Top Loading Garbage Semi Trailer
- Skip Loader
- Hook Lift

2- TRAILERS

- Car Carrier Trailers
- Container Carrier Trailers
- Dolly
- Tipper Trailers

3- FIRE-FIGHTING AND RESCUE VEHICLES

- Municipal Type Fire Truck
- Rapid Intervention Vehicles (RIV)

4-DEFENCE INDUSTRY

- Armored Personnel Carrier (APC)-CIHAN
- Tank Transporter and Recovery Lowbed Trailer (80-120 Tons)
- Troop Carrier
- Special Projects

PERSONNEL

WHITE-COLLAR WORKERS 11 STAFF

Research & Development Unit

- Mechanical-Automotive Engineers - 3 Authority
- Electrical Electronics Engineers -1 Authority
- Technical Staff -1 Authority

Production Unit

- Mechanical-Automotive Engineers - 2 Authority

Production & Development Unit

- Welding Engineers - 1 Authority

Quality Unit

- Quality Control Engineers -1 Authority
- Technical Staff -1 Authority

Purchasing Department - 1 Authority

PRODUCT RANGE

BLUE-COLLAR WORKERS 36 STAFF

- Project Assembly Manufacturing - 9 Staff
- Machine Operators - 4 Staff
- Welded Manufacturing - 9 Staff
- Assembly Unit - 7 Staff
- Painting and Sandblasting Unit - 2 Staff
- Auxiliary -5 Staff

Annual Capacity Status:

Annual Working Days: 260 days

Daily Working Hours: 8 hours

Weekly Working Hours: 40 hours

Shifts: 1 shift

PRODUCTION CAPACITY

Production Lines:

Annual production planning is made according to the demand/project scope.

There are a total of 12 stations for production and assembly.

Planned Production Stages

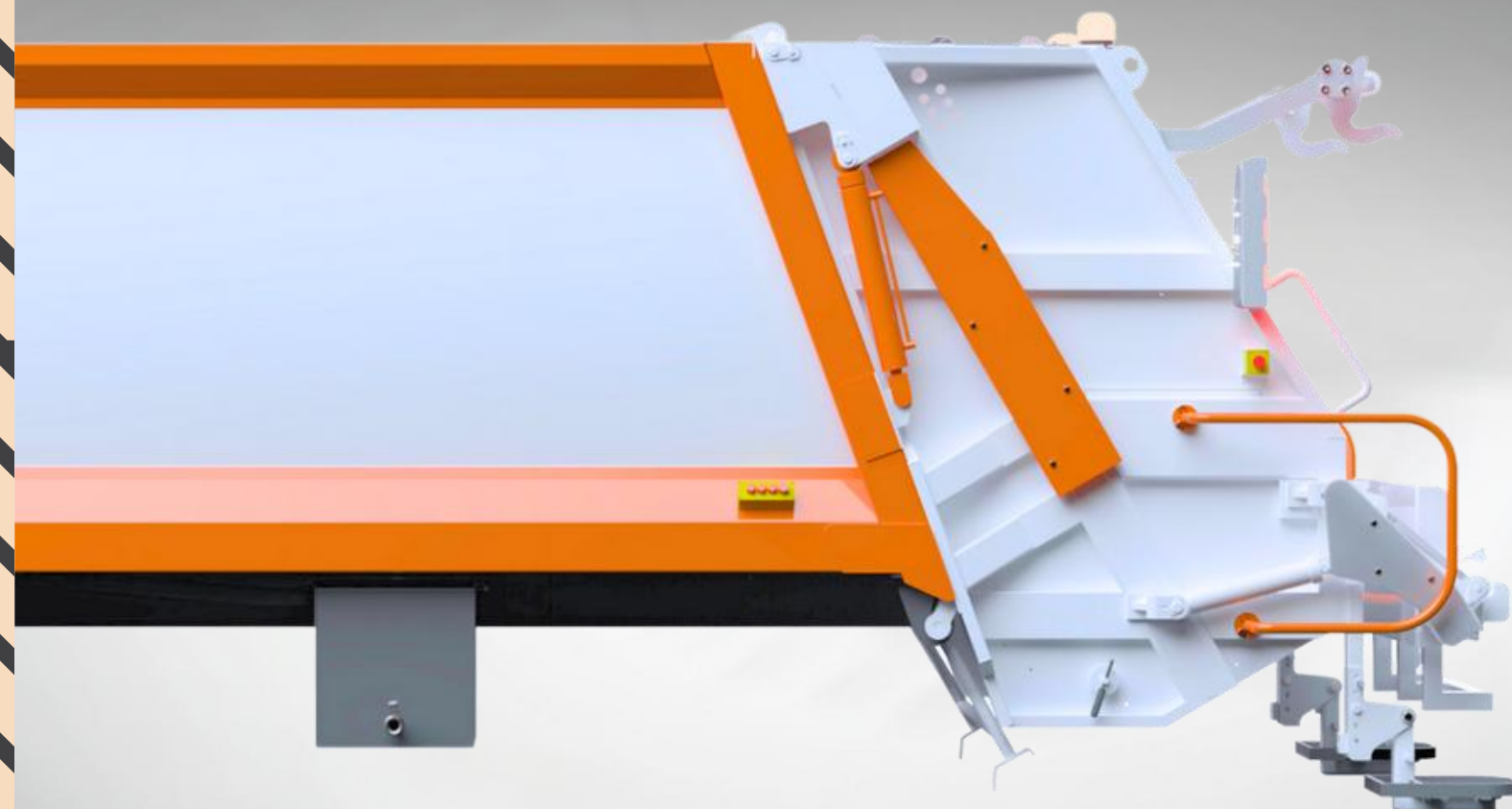
1. Cutting
2. Bending
3. Machining
4. Body Manufacturing
5. Welding
6. Sandblasting
6. Painting
7. Mechanical Assembly
8. Electrical Assembly
9. Brake Assembly
10. Accessory Assembly
11. Final Quality Control
12. Testing



1-GARBAGE TRANSFER EQUIPMENT

HYDRAULIC COMPRESSED GABRAGE TRUCK (5-22M3)

PARAMETER	SPECIFICATIONS
Body	
Capacity (m ³)	5 M3 to 22 M3 Chamber
Body Roof Thickness	3-4mm ST52 Steel
Body Sides Thickness	3-4mm ST52 Steel
Body Floor Thickness	4 mm Hardox 400-450 Steel or similar
Rear Basket Cover Wall Thickness	3-4mm ST52 Steel
Back Hopper Press Plate Thickness	5mm Hardox 400-450 Steel
Rear Hopper Side Panels Thickness	4-5mm ST52 Steel
Receiving Hopper Bottom Thickness	5mm Hardox 400-450 Steel or similar
Tailgate	
Hopper Capacity (m3)	The loose garbage capacity of loading hopper is around 0,8....2 m3
Steel Thickness (mm)	Hopper Sides HARDOX 450 steel quality 6 mm
Compaction Plate	Panel steel is from HARDOX quality, min 5mm thickness.
Compaction Ratio	5:1 / 6:1 (for household waste)
Working time	20 - 35 sec.
Container Lifting Devices	120 / 240 lt Plastic Bucket, 0.4 / 0.8 / 1.1 m ³ One of the container assemblies (according to DIN 30700)
Compacting System	
Type	Panel and sweeping plate
Performances	5:1 / 6:1 (for household waste)
Operation & Control	
Operation & Control	Automatic, Manual, Automatic+Manual
Communication & Buzzer	To warn or contact to the driver Comb compatible for flat and dome lids and for 240 l containers
Hydraulic System	
P.T.O	750 d/d (rpm) – 1500 d/d (rpm)
Working Pressure (bar)	180 ± 10 bars (18Mpa)
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



1-GARBAGE TRANSFER EUQUIPMENT

Walking Floor Gargabe Semi Trailer

PARAMETER	SPECIFICATIONS
Technical Dimensions	
5.Wheel Height	1.110 mm
Total Length	MAX 13 950 mm
Internal Length	MAX 13.600 mm
Vehicle Width	2.550 mm
Vehicle Height	4.000 mm
Internal Volume	35 m3-----72 m3
Technical Capacity	
King Pin Capacity	12,000 kg
Axle Load	27,000 kg
Total Weight	39,000 kg
Chassis	
Lower - Upper steels	10 mm S355JR
Chassis Body	6 mm S355JR
Body	
Body side walls	4 mm S355JR-4 mm Hardox or equivalent
Top Cover	3 mm S355JR
Back Cover	3 mm S355JR – (Rear cover opens hydraulically to 90 degrees)
Top cover	Hydraulically opens 270 degrees sideways
Base	
Base Steel	2 mm Waterproofing steel
Aluminum Profiles	9 aluminum lower profiles, 15 aluminum upper profiles (6061 T6 quality)
Axle and Suspension System	
Axle and Suspension	3 x 9000 kg capacity, 360 mm suspension bellows, disc brake axles. BPW-SAF-LOCAL
Landing Gear	
Lifting capacity	24 Tons hydraulically operated
Capacity	50 Tons
Surface Protection	
Paint	After all sheet metal parts are sandblasted to remove rust and oil, primer and top coat are applied.



1-GARBAGE TRANSFER EUQUIPMENT

Top Loading Garbage Semi Trailer

PARAMETER	SPECIFICATIONS
Technical Dimensions	
5.Wheel Height	1.110 mm
Total Length	MAX 13 950 mm
Internal Length	MAX 13.600 mm
Vehicle Width	2.550 mm
Vehicle Height	4.000 mm
Internal Volume	35 M3-----70 M3
Technical Capacity	
King Pin Capacity	12,000 kg
Axle Load	27,000 kg
Total Weight	39,000 kg
Chassis	
Lower - Upper steels	10 mm S355JR
Chassis Body	6 mm S355JR
Body	
Body Side Walls	4 mm S355JR
Base	5 mm Hardox 450 or equivalent
Top Cover	3 mm S355JR
Back Cover	3 mm S355JR
Compression And Unloading System	
Rail	2xUNP 200+5 mm hardox 450 or equivalent
Hydraulic piston	Hydraulic piston working with a single-stage caterpillar system with a diameter of 190 mm
Axle and Suspension System	
Axle and Suspension	3 x 9000 kg capacity, 360 mm suspension bellows, disc brake axles. BPW-SAF-LOCAL
Landing Gear	
Lifting capacity	24 Tons hydraulically operated
Capacity	50 Tons
Surface Protection	
Paint	After all sheet metal parts are sandblasted to remove rust and oil, primer and top coat are applied.

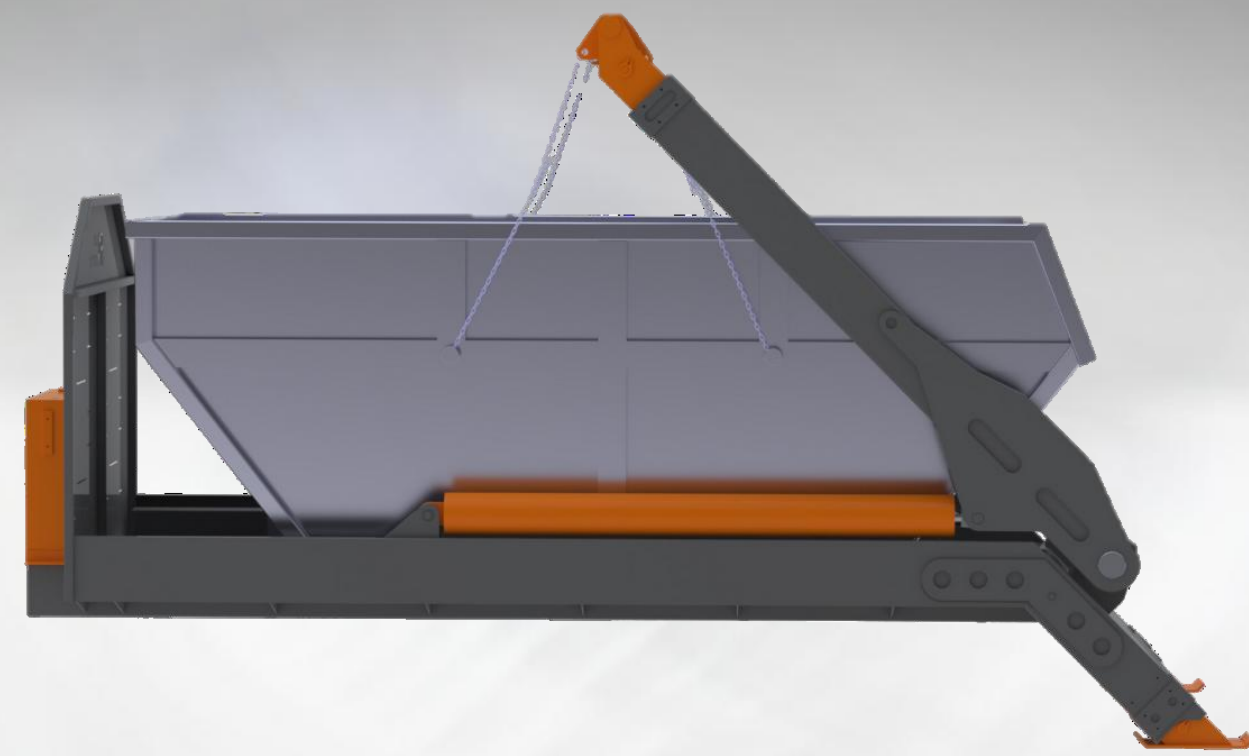
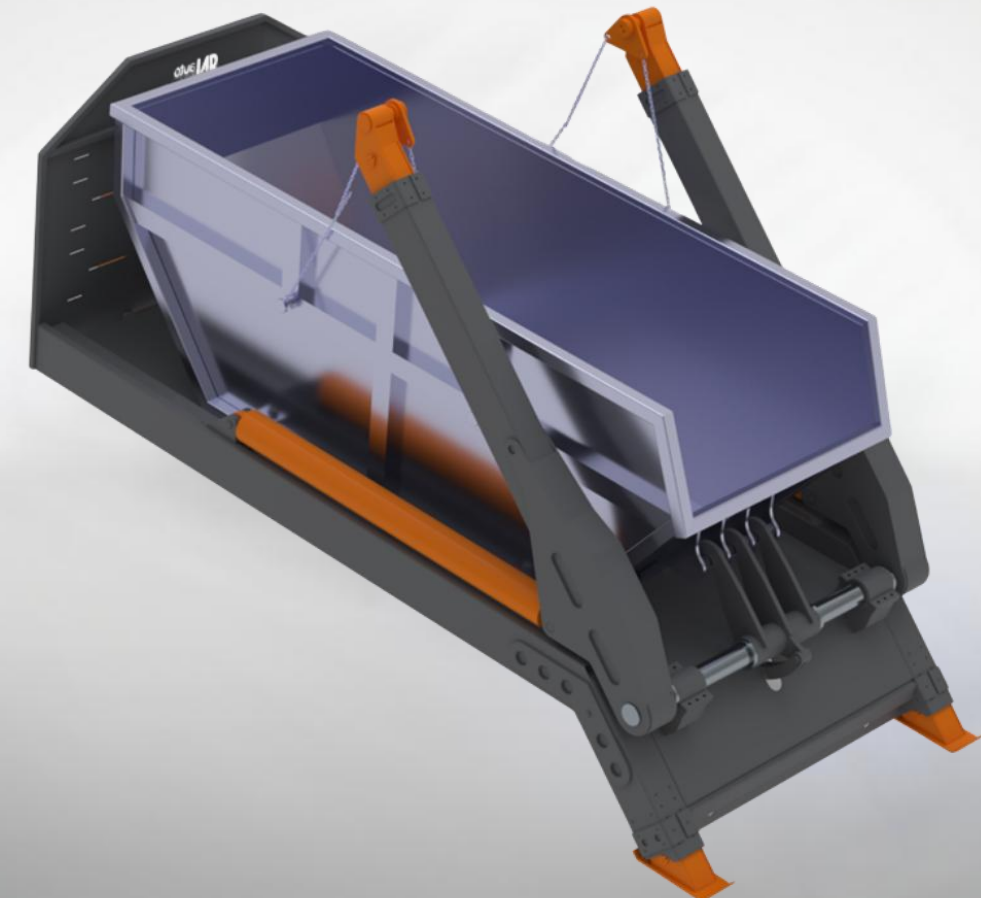
• Skip Loader



1-GARBAGE TRANSFER EQUIPMENT

Sklip Loader

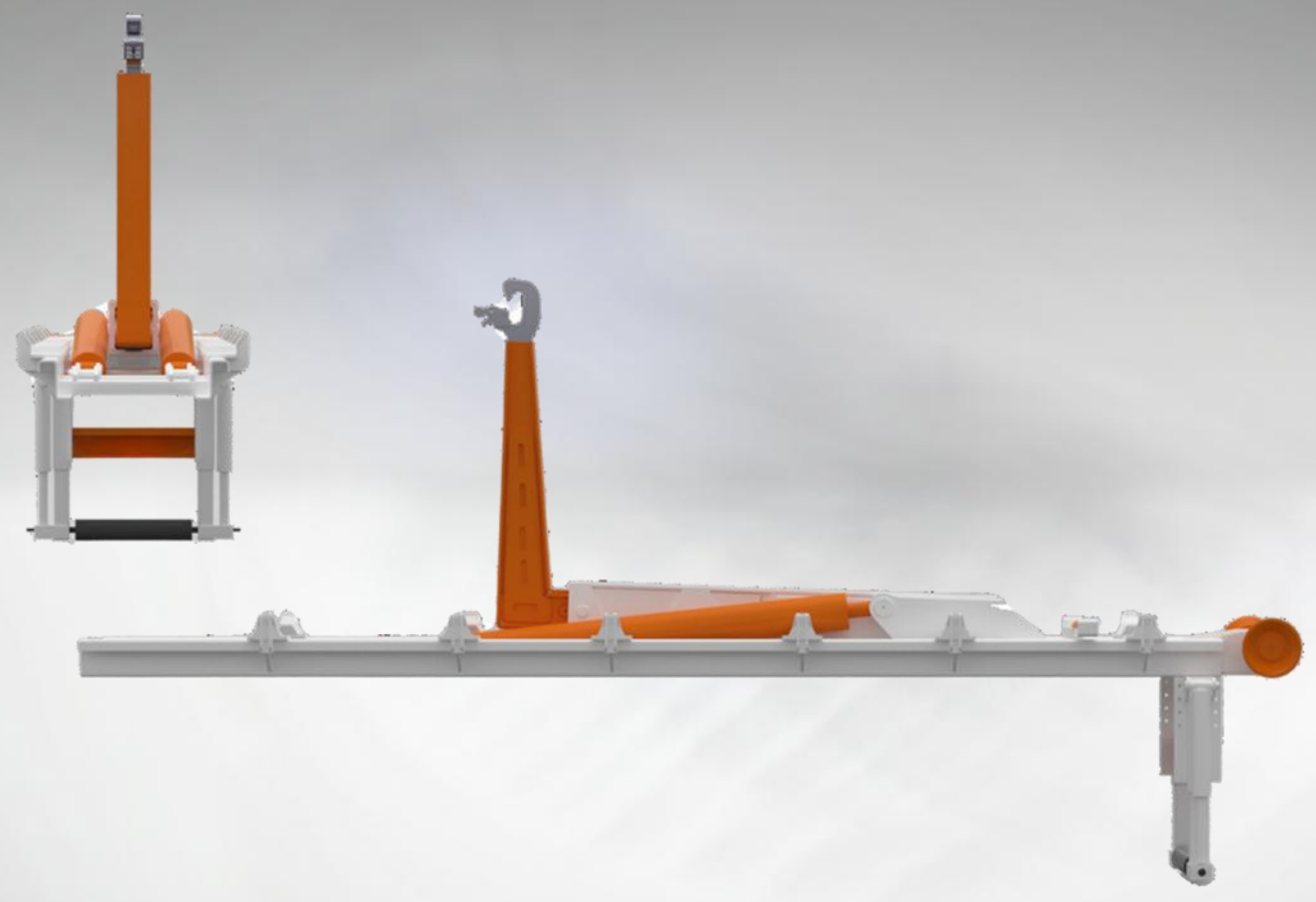
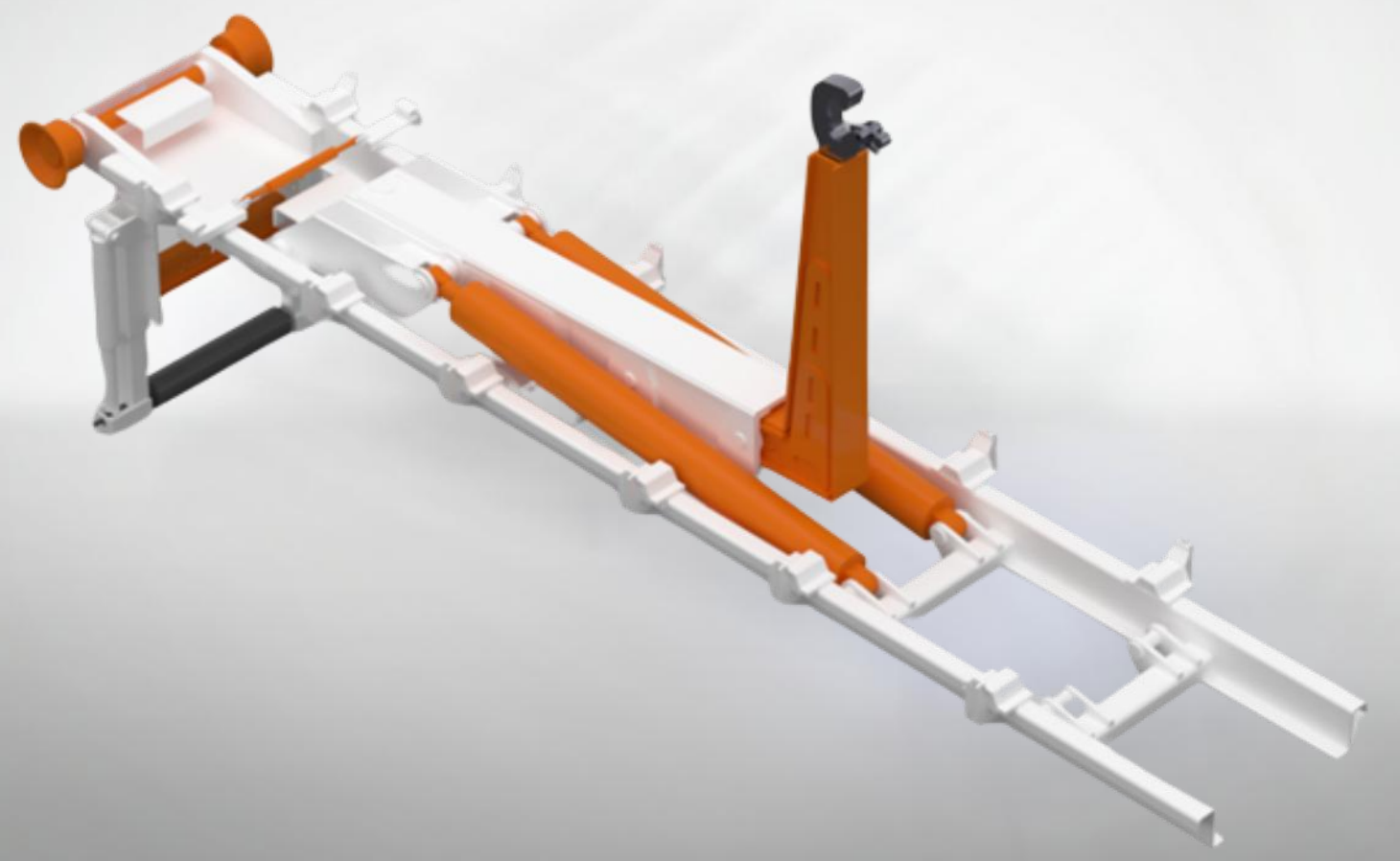
PARAMETER	SPECIFICATIONS
Body	
Lifting forces (t)	5-18 tons
For truck chassis	from 9 t to 33 t total weight
for containers/skips	DIN 30 735 -DIN 30 720 Part 1 and 2DIN 30 730
Container Loadin Cycle(sec.)	35(+/-10) seconds
Container Lowering/unloading Cycle(sec.)	40(+/-10) seconds
Extension and closing of telescopic arms	15(+/-5) seconds
Extension and retraction of stabilizing jacks	10(+/-5) seconds
Container locks	Skid limit stops manually adjustable
Operation & Control	
Operation & Control	One radio control unit for all
Hydraulic System	
Hydraulic Pump	Hydraulic Pump 73 cm ³ /rev at 1000 rpm
Max. Working Pressure	Max. Working Pressure 220 bar
Oil Tank Capacity	Oil Tank Capacity 200 lt
Max. Operating pressure	180 bar (+/-20 bar)
Number of hydraulic cylinders	2 boom driving 2 lifting 2 foot cylinders
Pneumatic cylinder	1 container tipping roller
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



1-GARBAGE TRANSFER EQUIPMENT

Hooklift

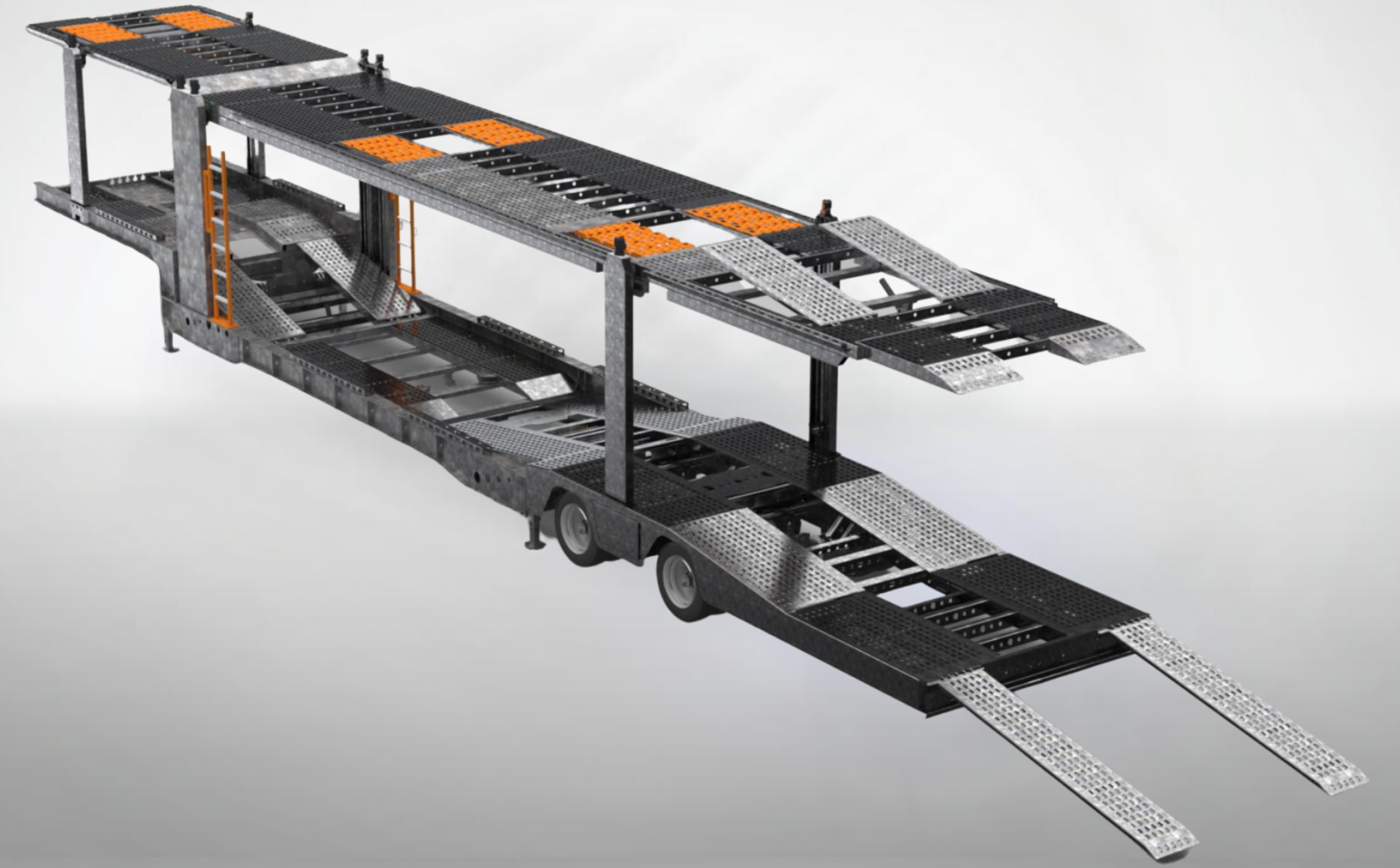
PARAMETER	SPECIFICATIONS
Plate Component Properties (St 52-MC700)	
Main boom	ST52(S355JR)-MC700
Inner boom	ST52(S355JR)-MC700
Hooked boom	ST52(S355JR)-MC700
Fork boom	ST52(S355JR)-MC700
Chassis	ST52(S355JR)-MC700
Main boom	ST52(S355JR)-MC700
Inner boom	ST52(S355JR)-MC700
Hooked boom	ST52(S355JR)-MC700
Fork boom	ST52(S355JR)-MC700
Hydraulic System	
Lifting capacity	3- 30 Tons
Hydraulic controller	3/4" Fragmental block 120 lt/dk high flow Pneumatical triple controller
Hydraulic grease	Hydraulic Grease Number 68
Hydraulic pump	65-85 lt/min. 1000 rpm. PTO driven Pump,
Hose pipes	Polyamide Hose
Control system	Electro – pneumatic- Manual Outside the Vehicle.
Accessory	
Tool chest	3mm ST 37 Plate
Fire extinguisher section	1
Water tank	Chrome plating and plastic water tank
Tampon	5mm ST 37 Plate Press
Stairs	On 1 side
Spray-suppression	2
Hooks	On the sides, tail gate and dashboard
Brake light slots	2 (Demountable type)
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



2- TRAILERS

Car Carrier Trailers

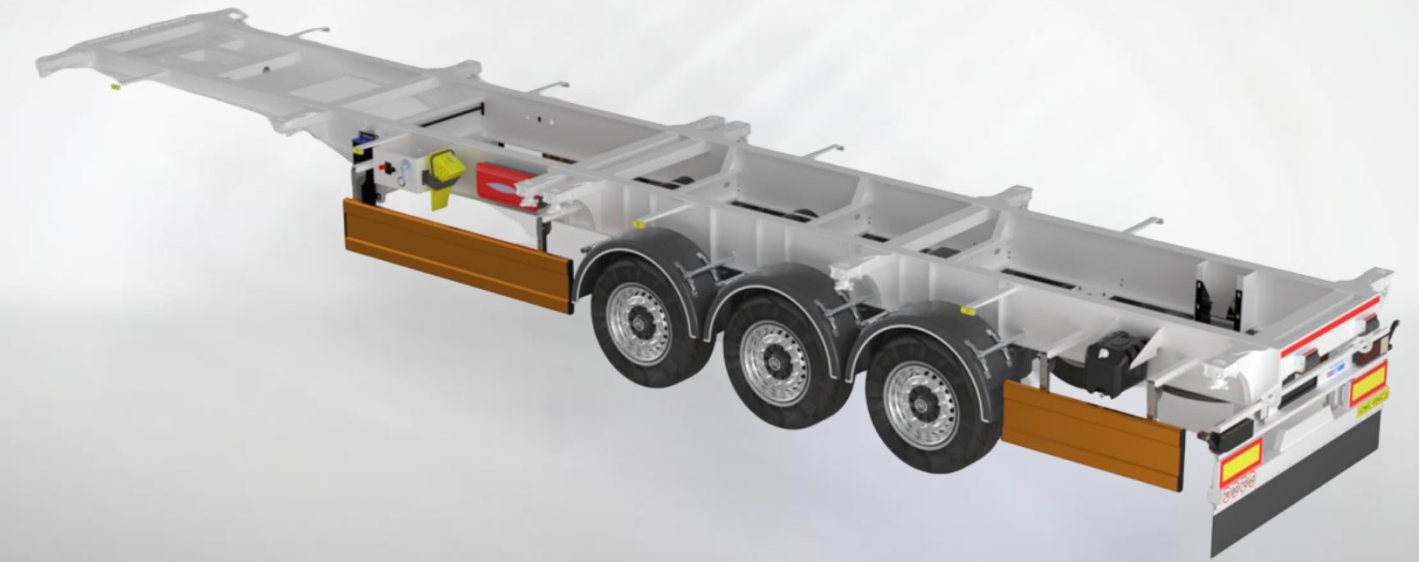
PARAMETER	SPECIFICATIONS
Technical Dimensions	
5.Wheel Height	1.150 mm
Total Length	20.000 mm (±100 MM)
Trailer Length	17.100 mm (±100 MM)
Distance between axles	1.660 mm
Vehicle Width	2.550 mm
Vehicle Height	4.000 mm
Trailer weight	12.000 -14.000 kg
Technical Capacity	
King Pin Capacity	15,000 kg
load on king pim	10.000 kg
Axle Load	24,000 kg
Total Weight	39,000 kg
Axle And Suspension System	
Axle and Suspension	2 x 14000 kg capacity, 360 mm suspension bellows, disc brake axles. Local-BPW
Landing Gear	
Lifting capacity	24 Tons hydraulically operated
Capacity	50 Tons
Hydraulic System	
Pump	24 volt power pack
Hydraulic Valve	Electrohydraulic valve group
Oil tank	80 liters
Hydraulic Filters	Return and pressure filter
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



2- TRAILERS

Container Carrier Trailers

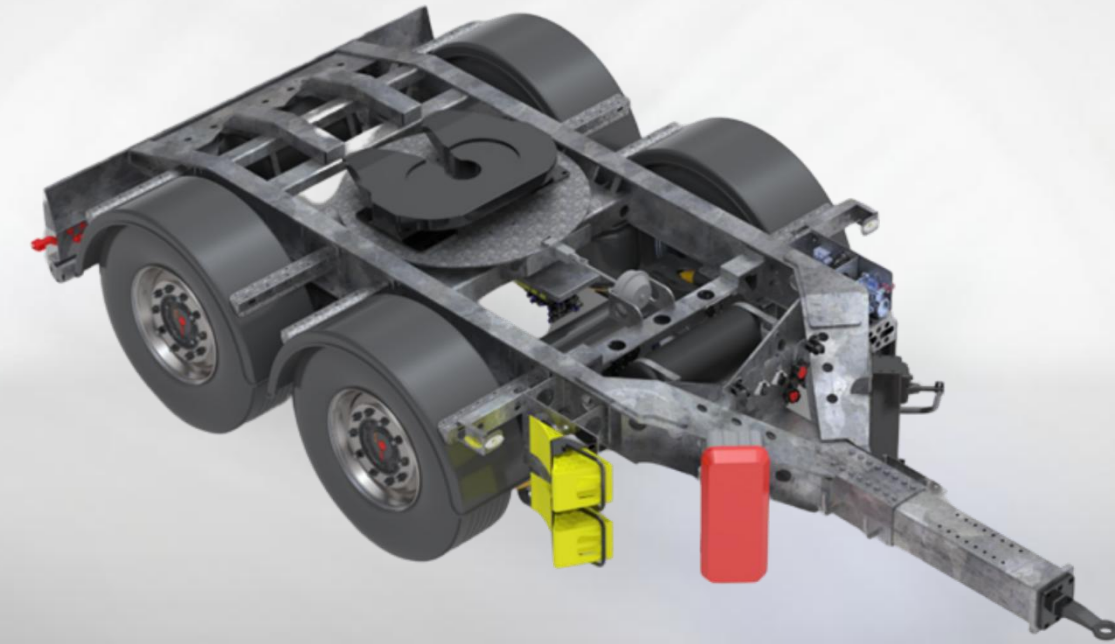
PARAMETER	SPECIFICATIONS
Technical Dimensions	
5.Wheel Height	1.170 mm
Wheelbase	7692 mm
Total Length	12760 mm
Technical Capacity	
King Pin Capacity	12,000 kg
Axle Load	27,000 kg
Total Weight	39,000 kg
Axle And Suspension System	
Axle and Suspension	3 x 9000 kg capacity, 360 mm suspension bellows, disc brake axles. Local-BPW
Landing Gear	
Lifting capacity	24 Tons
Capacity	50 Tons
Maximum Arm Strength	210 N
Heavy RPM	0.93mm/rev
Serial Transfer	11.4mm/rev
Container Locks	
Locks	ISO Container 1x20, 2x20', 1x30', 1x40' ISO
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



2-TRAILERS

Dolly

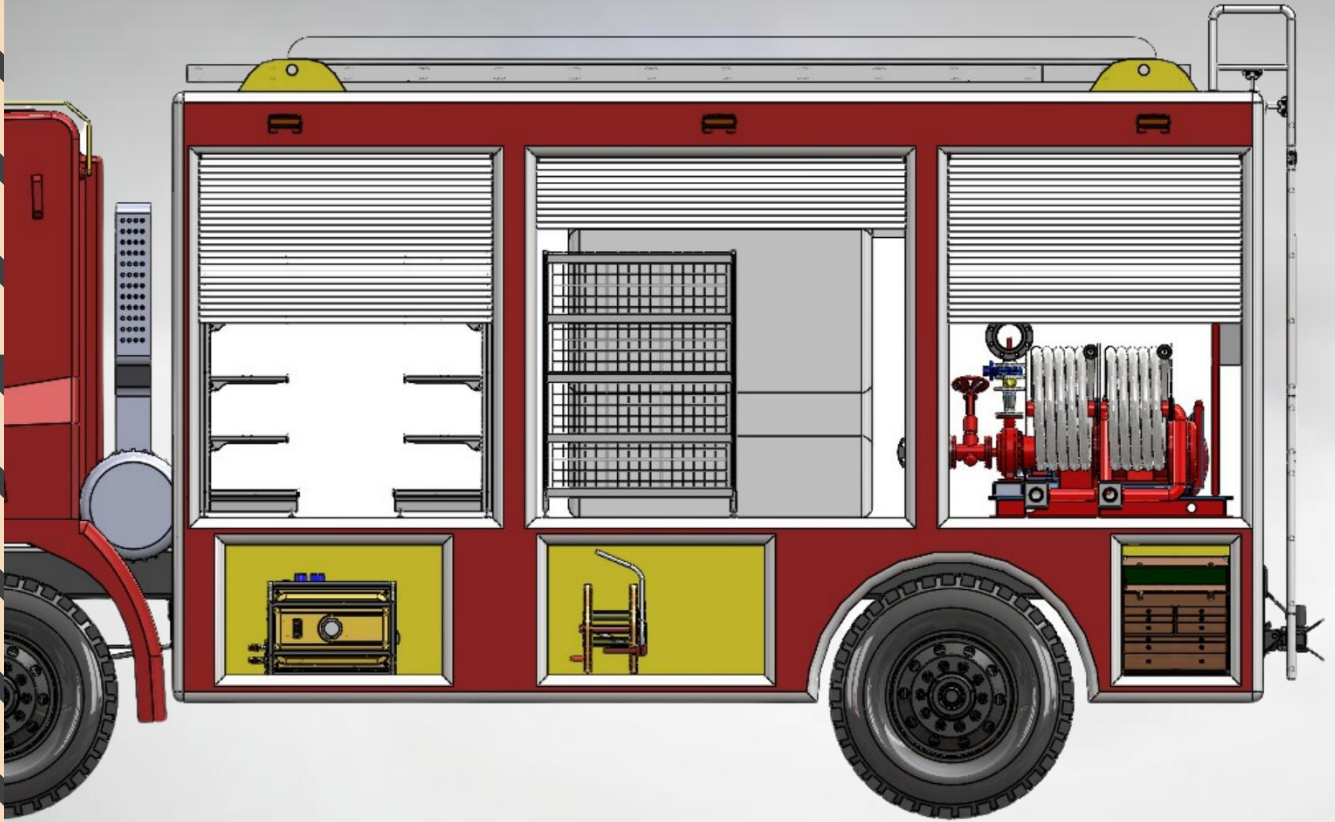
PARAMETER	SPECIFICATIONS
Technical Capacity	
Axle load	9*2: 18 Tons
5th Wheel Load	12 Tons
GVW	30 Tons
Payload	27 Tons
Axle And Suspension System	
Axle and Suspension	2 x 9000 kg capacity, 360 mm suspension bellows, disc brake axles. Local-BPW
Chassis and Equipment's	
Chassis	MC700- S355JR (ST52) quality steel
Landing Gear	
Lifting capacity	24 Tons
Capacity	50 Tons
Maximum Arm Strength	210 N
Heavy RPM	0.93mm/rev
Serial Transfer	11.4mm/rev
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



3-Fire-Fighting and Resque Vehicles

Municipal Type Fire Truck

PARAMETER	SPECIFICATIONS
Bottom Line Steel	8 mm S700 MC quality steel
Subframe	The superstructure will be bolted to a 6 mm ST 52 subframe, without welding to the chassis.
Superstructure	Aluminium or Galvanized
Bodywork	The bodywork will be made of box-type steel profiles.The superstructure skeleton, locker walls, and floors will be steel.Monolithic aluminum safety barriers with integrated lights will be installed on the roof.A foldable aluminum ladder will be mounted at the rear.Lockers will have lockable aluminum roller shutters.Electrical cables will be routed through profile-mounted cable channels.
Water Tank	Water tank made of 4 mm ST 52 steel.Includes vertical and horizontal baffles.One ø450 mm manhole cover.Two 1.5" instantaneous side filling inlets.Overflow and vent designed to minimize water loss.2.5" drain plug.Non-slip roof surface.Strainer for pump protection.Electronic water level gauge.Tank centrally mounted in the bodywork.
Foam Tank	600 lt / 4 mm 304 CrNi Stainless Steel There will be vertical & horizontal baffle plates inside the water tank.
First Aid Hose Reel	A hose reel will be installed in the pump compartment.Equipped with 2 x 60 m hoses with guns (40 bar operating pressure).Guns support jet and spray modes.Manual and electric reel operation.Hose guide included for proper rewinding.
Fire Pump	ÇELIKSAN
Control Panel	Turkish origin
Roof Monitor	Foldable roof monitor, manually operated.Capacity: 1,200 L/min at 10 bar.Jet and spray nozzle, aluminum body.Rotation: 360° horizontal, -15° to +75° vertical.Min. 55 m throw distance in normal conditions.
Top Lamp	LED lamps, red/red, 375x85x1450 mm.12 or 24 VDC operation.Includes PAS with 4-tone, 100 W sound system.Mounted on chassis cab with internal loudspeaker.
Painting	All steel material will be sand-blasted, cleaned against rust and oil before 2 layer of epoxy primer and final acrylic paint. Color Bodywork: RAL 3000 (Red)



3-Fire-Fighting and Resque Vehicles

Rapid Intervention Vehicles (RIV)

PARAMETER	SPECIFICATIONS
Bottom Line Steel	8 mm S700 MC quality steel
GVW	3.5 ton to 20 ton
Drive Train	4x4
Cabin	Single or Double Cabin
Superstructure	Made from Aluminum Frame
Water and Foam Tank Material	GRP or Stainless Steel
Water Tank Capacity	Up to 3000 Liters
Foam Tank Capacity	Up to 300 Liters
Fire Pump	High-Pressure Firefighting System 42 Lpm 100 bar
Foam Proportion	0%-6%
DCP	Up to 130 kg
Hose Reels	Electrical and Manual Up to 50 meters, DCP and High-Pressure
Optional	Firefighting System Hose Reels Extendable Light Mast



4-Defence Industry

Armored Personnel Carrier (APC)-CIHAN

PARAMETER	SPECIFICATIONS
Vehicle Specifications	
Rated Power	230 hp
Total Length/Width/Height	6100mm (Excluding the Spare Tire) / 2550mm (No Mirror) /2750mm (Without Turret)
Wheelbase	3500mm
Wheel Arrangement	4x4
Curb Weight	6000 kg
Payload	8000 kg
Vehicle Gross Weight	14000kg
Fuel Tank Volume	210 L
Vehicle Performance Specifications	
	<ul style="list-style-type: none">• radebility 31%• Side Slope 20%• Max. Speed. 100km/h• Cruising Range 1000km• Ground Clearance 400mm
Vehicle Body Shield Specifications	
	<ul style="list-style-type: none">• 4 Doors (2 for Passengers-2 tailgate)• The engine compartment and crew protection are at EN 1063 BR6 level• Glass Thickness: 40 mm, Level BR6• The vehicle has 11 firing ports• The floor is equipped with blast protection to mitigate fragmentation caused by mine detonations, in accordance with STANAG 4569, Class 1A-B• The armored hull is securely bolted to the Ural chassis utilizing vibration-damping isolators.• A first aid kit and fire extinguisher are mounted behind the driver and passenger seats• Doors with internal lock, opening from inside



4-Defence Industry

Tank Transporter and Recovery Lowbed Trailer (80-120 Tons)

PARAMETER	SPECIFICATIONS
Dimensional Information	
Total Maximum Load	87 ton
Lowbed Empty Weight	25-37 Ton
Lowbed Net Portable Load	60 ton
Maximum length	17150mm
Length of Loading Surface	11150mm
Neck Length	3850mm
Lowbed Width	3650mm
Height	1090mm
Ramp	Hydraulic Controlled 4 direction movement
King Pim	3.5" King Pim
Axles	Total 6 pieces 3 fixed front axles (front two axles are lifted) 3 moving axles
Parking Foot	Telescopic manual heavy duty
Electrical System	<ul style="list-style-type: none">• 24 volt electrical installation in accordance with ISO standards• Reflectors on both sides and lighting system in accordance with international standards• Rear stop lights, parking lights and signal lights
Performance	<ul style="list-style-type: none">• Ability to climb 30% slope easily• Trouble-free passage through water 1 meter deep• Capacity to carry 2 APC class armored vehicles• Military load recovery feature• 2 pulling winches with 35 ton capacity each



4-Defence Industry

Troop Carrier

PARAMETER	SPECIFICATIONS
Dimensions (mm)	
Overall Length	4746
Overall Width	2490
Overall Height	2380
Body	
Door	Rear door with ladder
Lower Seat Material	12mm Wood
Backrest Material	8mm Wood
Seat Frame Material	40x40 Profile and 3mm st37 sheet metal
Auxiliary Chassis Material	U-Bending 5mm ST52
Side Panels Material	2mm S235
Side Panels Brackets Material	4mm S235
Tent Frame Material	¾" Pipe
Tool and supplies cabinet	
Regulation-compliant rear bumper and side barrier	
Military Area	
Seating Capacity	15-person
Lengroom	400mm
Lines	3-line
Rear door fold-out ladder	
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



4-Defence Industry

Special Projects

Container Carrier

PARAMETER	SPECIFICATIONS
Dimensions (mm)	
Overall Length	7769
Overall Width	2472
Height (Including Container)	3671
Chassis Height	1098
Rear Door Opening Height	2141
General	
Load Capacity	10520 kg
Unladen Weight:	1980 kg
Gross Vehicle Weight	12500 kg
Number of Axles	1
Brake System:	Air-ABS
Tire and Rim Size	385/55/R22.5 _11.75-22.5
Material	Chassis: S355
Coupling Type	Stanag-4101, 76 mm, Swivel Type Towing Eye
Angles and Other Features	
Entry Angle:	7.8°
Exit Angle:	8.4°
Side Tilt Angle:	7.8°
Lifting System:	4-point lifting system
Electrical Connection	7-Pin (ISO 1724) Connector
Container Capacity	20ft Standard Container
Painting	
Sandblasting	SA2.5 sandblasting
Painting	Primer + Acrylic topcoat



THANK

YOU!

The company reserves the right to change the vehicle specifications and features described in this publication at any time. Vehicle specifications and features may vary in different markets. Images are for illustrative purposes only and may appear different to the actual vehicle.

RN auto
industry

Address: No: 6, Ünal Kocaman Street, Mallıköy Başkent Industrial Zone, Sincan, Ankara, Türkiye