Product division
plant technologies
Shunting equipment

**Shunting Capstan and Open Pull Rope Layout**
For simple shunts with single wagons or rakes
- Tractive power up to 30 KN im UIC rating
- Towing capacity up to 1000t

**Reversible Pull Rope and Sling Chain**
For bulk goods loading with single wagons or rakes
- Tractive power up to 30 KN im UIC rating
- Towing capacity up to 100 Kn im industrial sidings
- 600t / 2000t

**Reversible Pull Rope and Underfloor or Surface Control**
For single wagons or rakes, underfloor control for level paved track; surface control for open track
- Tractive power up to 30 KN im UIC rating
- 50 KN im industrial sidings
- Towing capacity up to 600t / 1000t

**Reversible Pull Rope and Wheelset Trick**
For single wagons or rakes, automatic shunting without operating personnel in the track area
- Tractive power up to 30 KN im UIC rating
- 60 KN im industrial sidings
- Towing capacity up to 600t / 1200t

**Reversible Pull rope and Buffer Truck**
For rakes at bulk goods loading stations
- Tractive power up to 150 KN
- Towing capacity up to 3000t

**WINDHOFF Tele-Trac Shunting Vehicles**
For wagon rakes at bulk goods loading stations; fully automatic shunting, radio control
- Tractive power up to 480 KN
- Towing capacity up to 8000t

**WINDHOFF 2-Way Road/Rail Shunting Vehicles**
For the flexible employment in the depot and also for loading of bulk goods
- Tractive power up to 100 KN
- Towing capacity up to 2800t
1. Drive unit
2. Tensioning device
3. Means of fastening (e.g. chain)
4. Rope carrying pulley
5. Traction cable
6. Cable rollers

Windhoff - buffer car at a loading line.
Wheelset cart: Pressure roller pair engaged.

Wheelset cart in combination with an automatic drag shoe placing for track safety.

Reversible rope winch, here with sling chain and C-hook for pulling forces up to 30 KN (for UIC application).

Rope traction equipment
2-Way-Road/Rail-Vehicles

Batterie floated 2-Way-Road/Rail-Vehicles
Typ ZRW 15 AEM
The vehicles are supplied with an open or closed driver's cab.
Locomotive RL 120 H

Technical data:

- Track gauge: 1,435 mm
- Length buffer-to-buffer: 7,100 mm
- Service weight: 40,000 kg
- Start-up towing force: 120 kN
- Remote radio control
- Diesel engine: 330 kW
- Max. speed: 15 km/h
- Towing speed: 25 km/h
Tele-Trac RW 9/13 AEM
Customer: Hegenscheidt

Windhoff Tele-Trac RW 100 EM for Eko Stahl GmbH, Eisenhüttenstadt

Windhoff Tele-Trac RW 70 AEM
Customer: Ver. Schweizer Rheinsalinen

Shunting vehicle Tele-Trac
RW 120 DH for Hafenbetriebe Brunsbüttel

RW 120 DH,
Customer: Veitsch Radex

Shunting vehicle Tele-Trac
ZRW 60 DH,
Tractive force: 1200 to
Batterie-electric drive
Customer: BASF Ludwigshafen

ZRW 140DH with diesel-hydraulic drive,
Tractive force: 2.800to
Customer: Neuss Düsseldorfer Häfen

Rail/Road shunting vehicle ZRW
Scrap hopper transport car 155to, Customer: DEW Witten

Scrap metal transport vehicle with 90to load capacity
Customer: Swiss Steel, Switzerland

Scrap metal transport vehicle with 90to load capacity
Customer: Elwood Steel Belgium

Transport- and handlingsystems for the steel industry
Casting Car 110 to with hydraulic lifting device and crosswise sliding equipment
Customer: Stahlwerk Bous

Ladle roll-over device.
Load capacity: 90 to
Customer: Ugine & ALZ, Gent

Ladle tilting device
Load capacity: 230 to
Customer: Ugine & ALZ, Gent

Transport- and handlingsystems for the steel industry
Lance manipulator with lance magazine and temperature measuring and sampling device for a pig iron desulfurisation plant. Customer: Sidmar, Gent

Torpedo ladle vehicle, ladle payload 200 tons
Vehicle service weight: 190 tons ;
Gross weight: 390 tons
Segment transfer car with bogies,
Load capacity: 140 tons,
Customer: Sidmar, Gent

2 Hooded handling carts for flue gas extraction for pig iron desulphurisation
Customer: Voest Alpine, Linz, Austria
Coil transport vehicles with 4 tilting devices and a load capacity of each 35 tons
Client: Sidmar

Coil transport vehicle, batterie-electric drive and a capacity load of 50 to.
Client: Toscelik, Türkei

Coil transport, Krupp, Eichen
2 Coil transport vehicles, load capacity 180 to each. Radio remote-controlled for use at batch annealing. 
Client: Thyssen Krupp Stahl, Bochum

Coil transport vehicle, load capacity 2 x 32 to. 
Client: Thyssen Krupp Stahl, Ferndorf

Coil transport vehicles, load capacity 96 tons 
Client: Salzgitter Flachstahl GmbH
Coil transport vehicle, load capacity 30 to 50 tons.
Customer: Ugine & ALZ

Interdepartmental coil transport from hot line 500°C.
Customer: Voest-Alpine Stahl, A-Linz

Customer: SMS Salzgitter
Magnetic line guided coil transport vehicle
CTW 30 AEM.
Customer: Krupp Thyssen Nirosta, D-Krefeld

Cable reel transporter;
Customers: Dätwyler AG, Switzerland

Road/Rail Pallet Transporter for liquid aluminium ladles- and anodes up to 40to

Ground level transportation systems