

# RAILWAY LINE STRINGING

MACHINES AND EQUIPMENT





# MACHINES AND EQUIPMENT RAILWAY LINE STRINGING

F17.1\_EN





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01

# SYSTEM FOR RAILWAY CATENARY INSTALLATIONS



# RU20.20.1

## RECOVERY/STRINGING GROUP FOR WIRES



### CHARACTERISTICS

Max reel diameter	2250 mm
Max reel width	1100 mm
Max weight of reel with cable	5000 kg
Max quantity of wire that can be wound up on the reel:	variable

### PULL/RECOVERY PERFORMANCES (1)

Max pull/recovery force	20 kN
Speed at max pull	1,5 km/h
Continuous pull	15 kN @ 2,5 km/h
Continuous pull	0,8 kN @ 5 km/h
(1)referred to layer diam.	1500 mm

### ENGINE

Feeding	diesel
Power	46 kW / 62 HP
Cooling	water

### TENSION PERFORMANCES

Max tension force	20 kN
Max speed	5 km/h

### ALSO AVAILABLE RU20.40.2

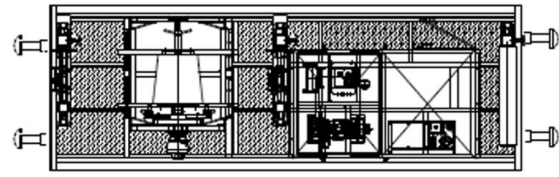
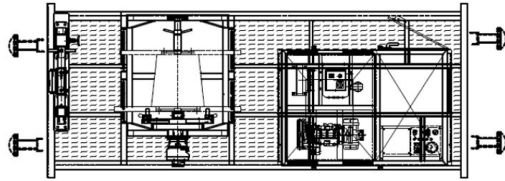
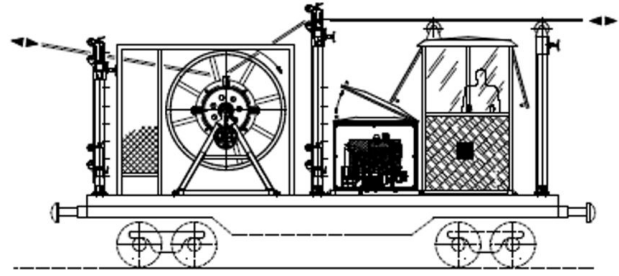
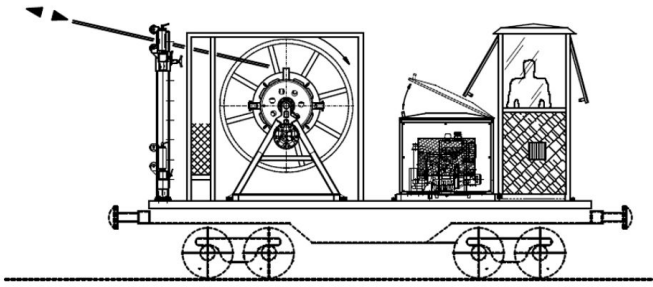
Max pull/recovery	40 kN (2x20 kN)
Speed at max pull	1,5 km/h
Max speed	5 km/h

Performances of the machine without optional devices, at sea level and temperature 20°C.  
Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.



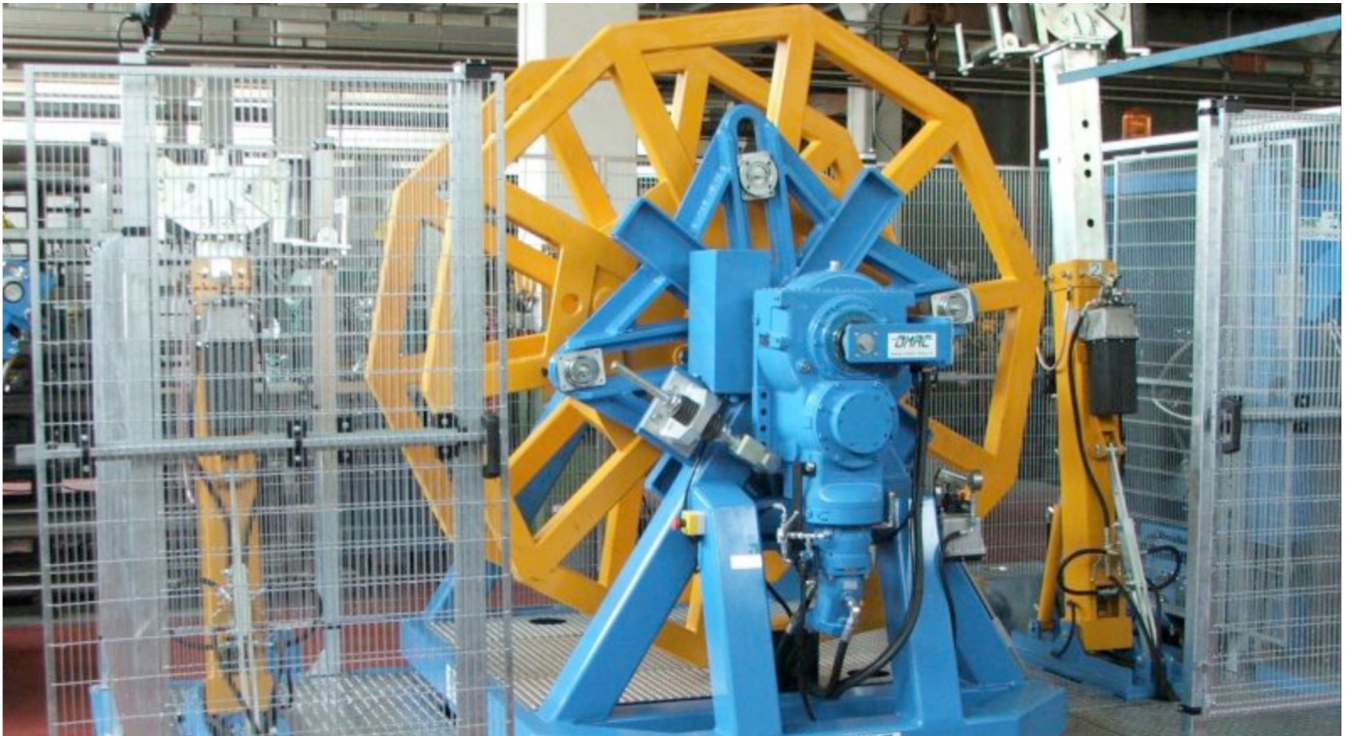
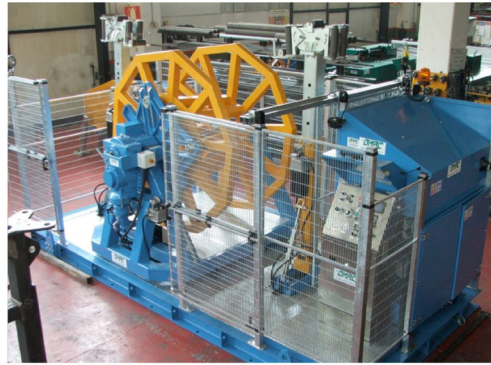
# RU20.20.1

SYSTEM FOR RAILWAY



1 DIRECTION (STANDARD)

2 DIRECTIONS (OPTIONAL)



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW20.20.1

**“ROAD-RAIL SYSTEM” 1 WIRE, 1 REEL-STAND****CHARACTERISTICS**

Capstan diameter	1500 mm
Grooves material	Nylon
Wire max diameter	25 mm
Hydraulic circuits	1
Wires	1
Reel-Stand	1 (max reel weight 3000 kg - max Ø2000 mm)
Mass	7800 kg
Dimensions	6,00 x 2,50 x 2,85 m (also available 2,3 m width)

**ENGINE**

Feeding	diesel
Power	36 kW / 48 HP
Cooling	water

**PULL/TENSION PERFORMANCES**

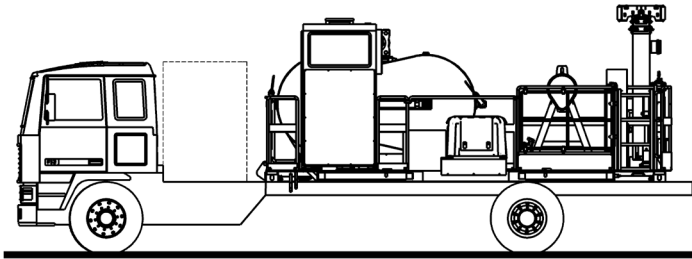
Max pull/tension force	20 kN
Continuous speed	5 km/h

**ALSO AVAILABLE mod.RW.30.40.2  
SUITABLE FOR 2 WIRES WITH 2  
HYDRAULIC CIRCUITS AND 2 REEL-STANDS**

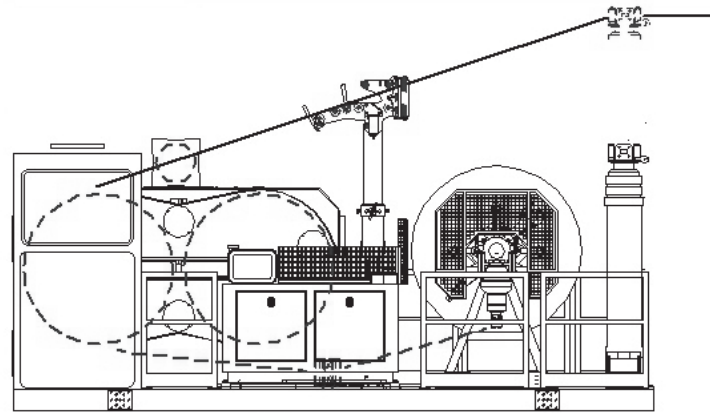
Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW20.20.1

SYSTEM FOR RAILWAY



SYSTEM MOUNTED ON VEHICLE



1 STRINGING DIRECTION



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW30.60.2

## 2 WIRES, 2 REEL-STANDS (ELECTRONIC SYSTEM)



### CHARACTERISTICS

Capstan diameter	1500 mm
Grooves material	Nylon
Wire max diameter	25 mm
Hydraulic circuits	2
Wires	2
Reel-Stands	2 (max reel weight 4000 kg - max Ø2000 mm)
Mass (wagon excluded)	14000 kg
Dimensions	9,00 x 2,48 x 2,9 m

### ALSO AVAILABLE RW30.40.2

Max pull/tension	40 kN (2x20 kN)
Continuous speed	5 km/h
Max speed	6 km/h

### ENGINE

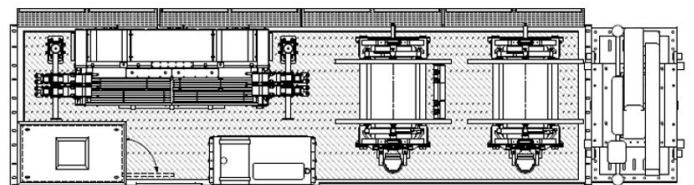
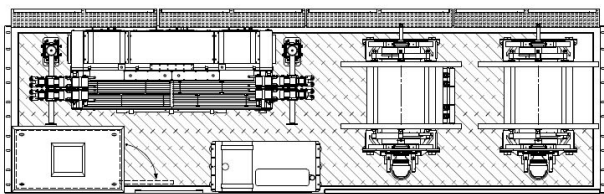
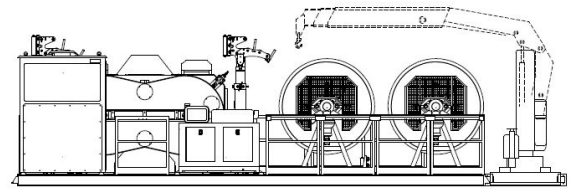
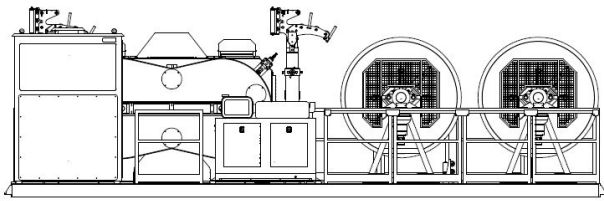
Feeding	diesel
Power	62 kW, 84 HP, 2200 rpm
Cooling	water

### PULL/TENSION PERFORMANCES

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW30.60.2



WITH HYDRAULIC CRANE (opt.106)



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW30.60.6

## 4 WIRES, 6 REEL-STANDS (ELECTRONIC SYSTEM)



### CHARACTERISTICS

Capstan diameter	1500 mm
Grooves material	Nylon
Wire max diameter	25 mm
Hydraulic circuits	2
Wires	2
Reel-Stands	6 (max reel weight 4000 kg - max Ø2000)
Mass (Puller-Tensioner module)	9000 kg
Mass (Reel-Stands module without reels)	4000 kg (each frame/3 reel-stands)
Dimensions (Puller-Tensioner module)	8,00x2,54x2,60 m
Dimensions (Reel-Stands module)	5,65x2,54x2,00 m (each frame/3 reel-stands)

### ENGINE

Feeding	diesel
Power	62 kW, 84 HP, 2200 rpm
Cooling	water

### PULL/TENSION PERFORMANCES

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

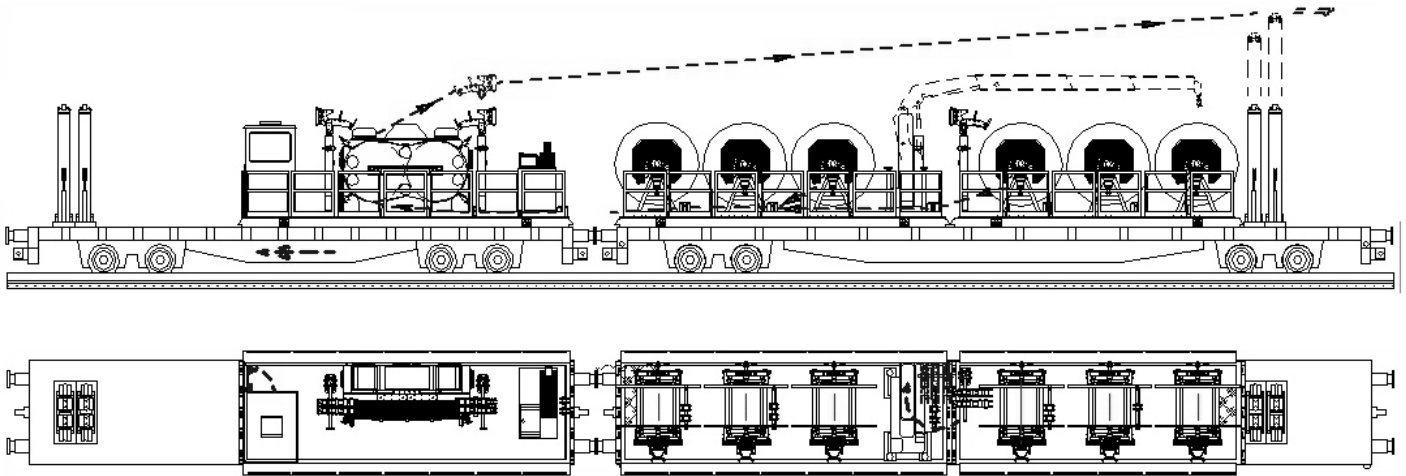
### ALSO AVAILABLE RW30.60.4

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW30.60.6

SYSTEM FOR RAILWAY



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW30.120.4

**2+2 WIRES, 2+2 REEL-STANDS (ELECTRONIC SYSTEM)  
(CONSISTING OF 2 UNITS)**



## CHARACTERISTICS

Capstan diameter	1500 mm
Grooves material	Nylon
Wire max diameter	25 mm
Hydraulic circuits	2
Wires	2
Reel-Stands	2 (max reel weight 4000 kg - max Ø2000 mm)
Mass	14400 kg
Dimensions	9,00 x 2,48 x 2,90 m

## ENGINE

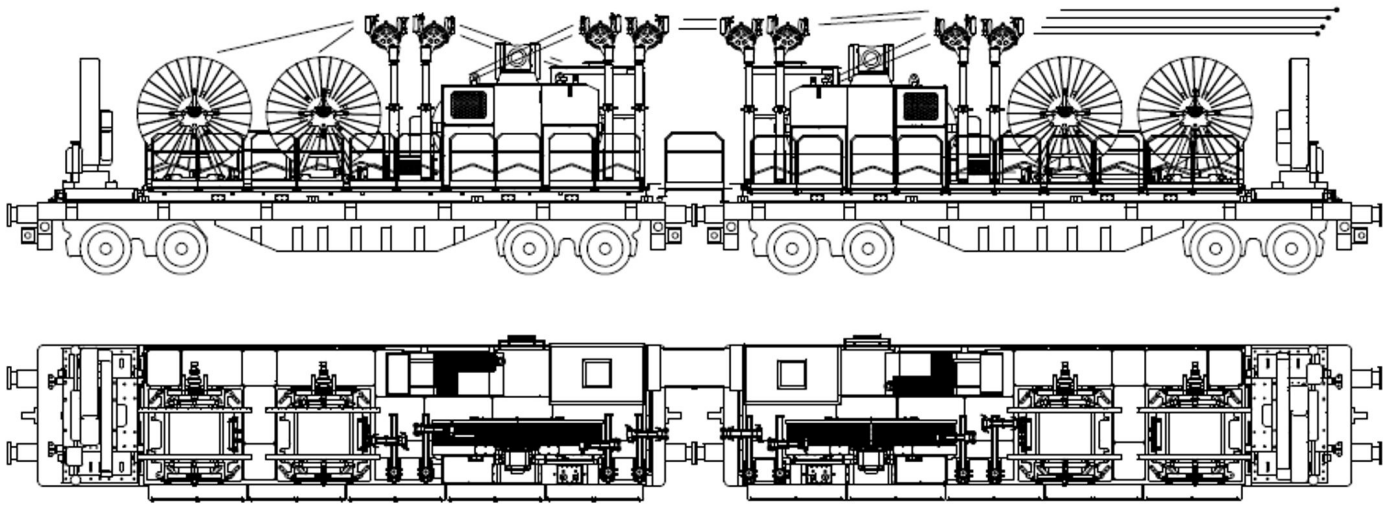
Feeding	diesel
Power	62 kW, 84 HP, 2200 rpm
Cooling	water

## PULL/TENSION PERFORMANCES (for each unit)

Max pull/tension	60 kN (2x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW30.120.4



Performances of the machine without optional devices, at sea level and temperature 20°C.  
Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.



# RW40.80.4

## 4 WIRES, 4 REEL-STANDS (ELECTRONIC SYSTEM)



### CHARACTERISTICS

Capstan diameter	1500 mm
Grooves material	Nylon
Wire max diameter	25 mm
Hydraulic circuits	4
Wires	4
Reel-Stands	4 (max reel weight 4000 kg - max Ø2000 mm)
Mass (Puller-Tensioner module)	13000 kg
Mass (Reel-Stands module)	11000 kg
Dimensions (Puller-Tensioner module)	9,00 x 2,50 x 2,90 m
Dimensions (Reel-Stands Module)	10,00 x 2,50 x 2,90 m

### ENGINE

Feeding	diesel
Power	84 kW, 110 HP, 2200 rpm
Cooling	water

### PULL/TENSION PERFORMANCES

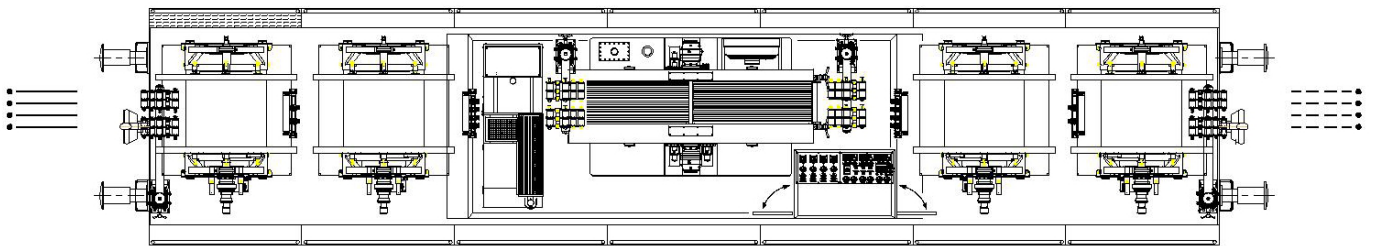
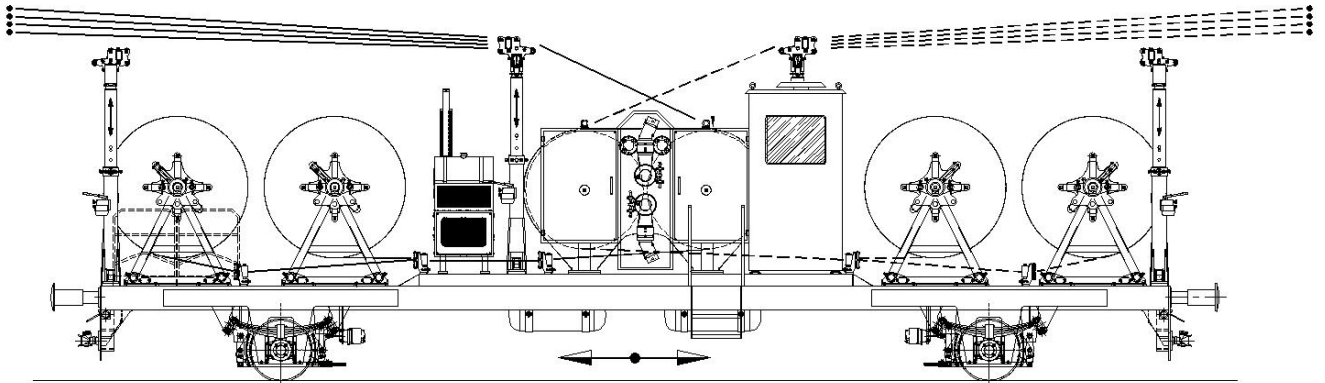
Max pull/tension	80 kN (4 X 20 kN)
Continuous speed	5 km/h
Max speed	6 km/h

### ALSO AVAILABLE RW40.120.4

Max pull/tension	120 kN (4x30 kN)
Continuous speed	5 km/h
Max speed	6 km/h

Performances of the machine without optional devices, at sea level and temperature 20°C.  
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# RW40.80.4



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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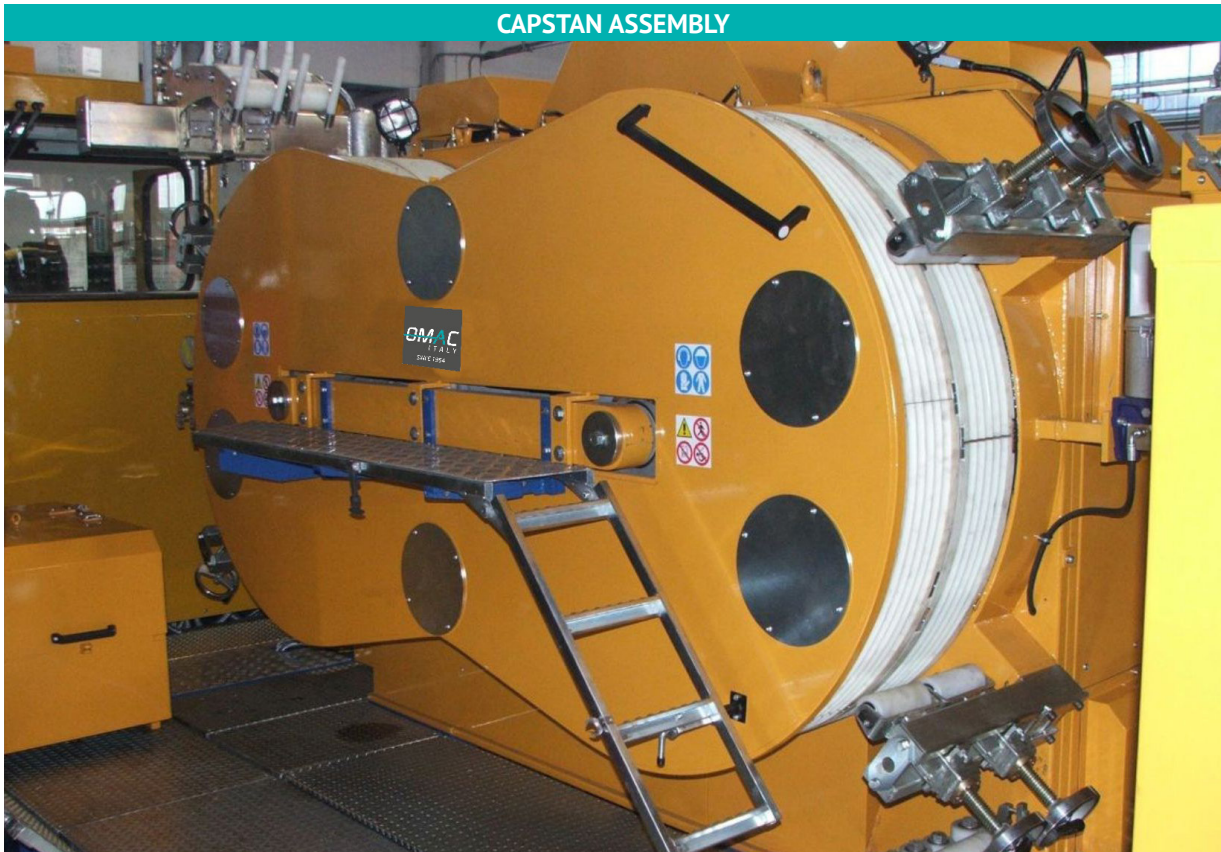
02  
**MAIN UNITS**



OPERATOR CABIN



CAPSTAN ASSEMBLY



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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MOTORIZED REEL-STAND



POWER UNIT COVERAGE



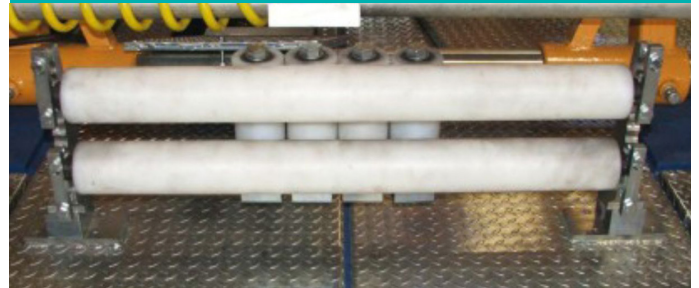
ROPE GUIDING DEVICE



AUXILIARY MAST (mono direction)



DRIVER DEVICE



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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CONTROL PANEL



METALLIC COVER OF HYDRAULIC SYSTEM



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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03

# OPTIONAL DEVICES



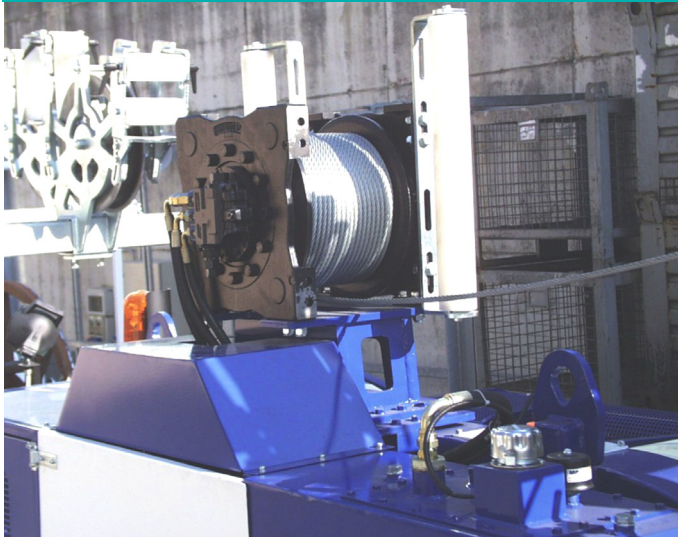


HYDRAULIC CRANE (opt. 106)

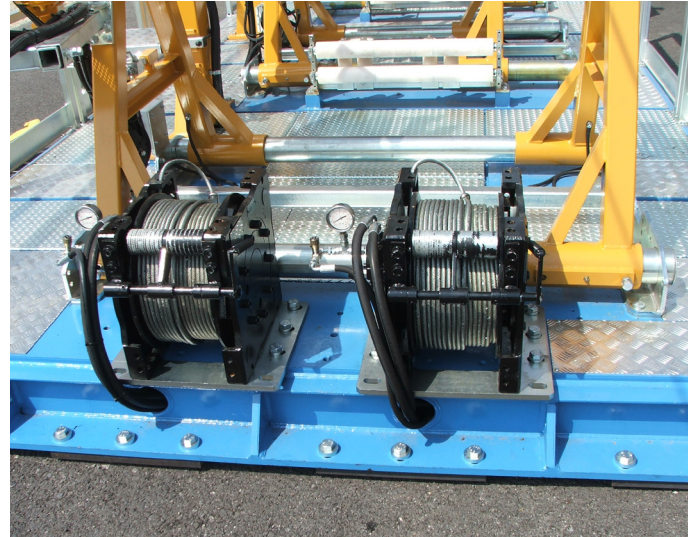


OPTIONAL DEVICES

SERVICE WINCH (opt. 136)



COMPENSATOR DEVICE (opt. 160)



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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MAIN GUIDING MAST (opt. 131.1)



AUTOMATIC SWINGING SPOOLING SYSTEM (opt. 445.1)



AUXILIARY MAST (bi-directional opt. 207)



AUXILIARY GUIDING MAST (opt. 208)



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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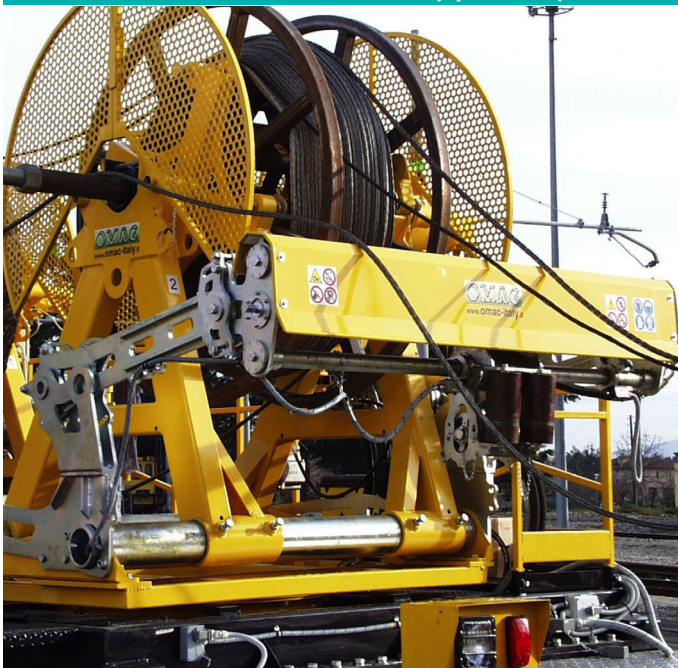
REEL-STAND ROTATING DEVICE (opt. 439)



REEL-STAND AUTOMATIC SIDE SLIDING (opt. 445)



AUTOMATIC ROPE WINDER (opt. 419.2)



LIFTING BEAMS WITH ACCESSORIES (opt. 018.8)



Performances of the machine without optional devices, at sea level and temperature 20°C.  
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**OMAC**  
via Pizzo Camino, 13  
24060 Chiuduno (BG) - Italy  
T +39 035 838092 - F +39 035 839323  
omac@omac-italy.it



watch the video