



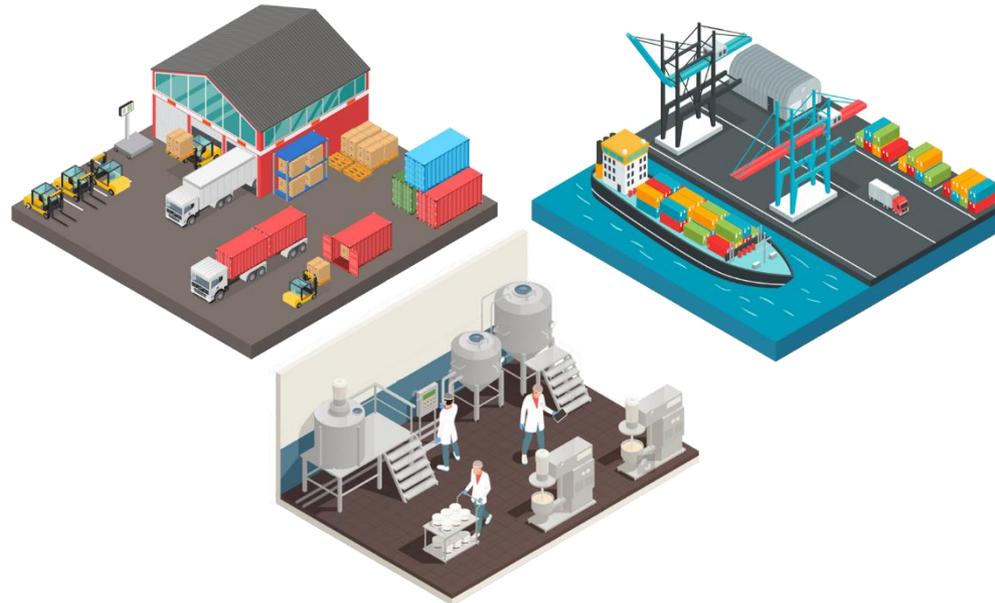
5th May 2020

WEBINAR

#LAUMASKNOWHOW



WEIGHING APPLICATIONS



LAUMAS[®]
Innovation in Weighing

Introduction: LAUMAS range

Wide range of standard **load cells** suitable for any kind of system in weight and force measurement:

Single-point - Bending beam - Shear beam - Double shear beam
Compression - Column - Tension - Load pins

RANGE: from 0,25 kg
up to 750.000 kg

IP rating up to IP69K

Digital version with the
integration of our LCB

METROLOGICAL APPROVALS:



from class C2
up to C5



US and Canadian
markets

EAC PAC

Russian
markets

EXPLOSIVE AREAS
APPROVALS:



EAC Ex

Capability to realize **customized load cells** according to the customer's needs

Wide range of **mounting kits** suitable for several load cell models and several applications

Introduction: LAUMAS range

Wide range of indicators (W series) and **transmitters** (TL series) with many different software and mounting solutions

Wide range of output:

Modbus-RTU

CANopen

ANALOG OUTPUT 

PROFI[®]
NET

SERCOS
interface

PROFI[®]
BUS

ETHERNET
POWERLINK

EtherNet/IP

DeviceNet

ETHERNET
TCP/IP

CC-Link

EtherCAT

IO-Link

Modbus
TCP/IP

WiFi

METROLOGICAL APPROVALS:



EAC PRC

R76 – R61 – R51

CONFORMITY APPROVALS:



EAC

EXPLOSIVE AREAS APPROVALS:



EAC Ex

Introduction: general rules

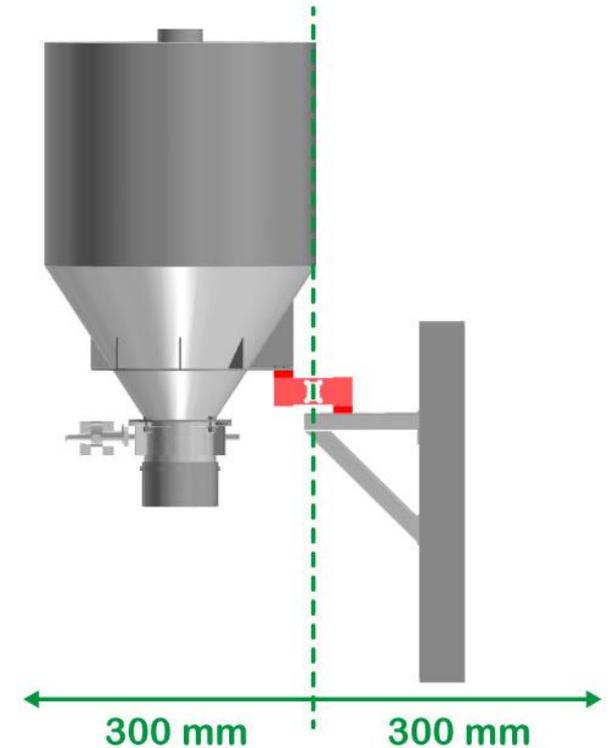
HOW TO SELECT OUR PRODUCT?

- Industrial sector
- Reason of the weighing
- Legal for trade
- System capacity
- Tare
- Resolution
- Number of legs
- IP rating
- Certification
- Protocol



Application: SMALL HOPPER

Industrial sector:	CHEMICAL/PLASTICS
Reason of the weighing:	5 kg PBT sack filling
Legal for trade:	No
System capacity:	30 kg
Tare:	10 kg
Resolution:	5 g
Number of legs:	1
IP rating:	IP65
Certification:	None
Protocol:	PROFIBUS/DP



LAUMAS
solution

APL 50 kg



W200S (unload) + Profibus

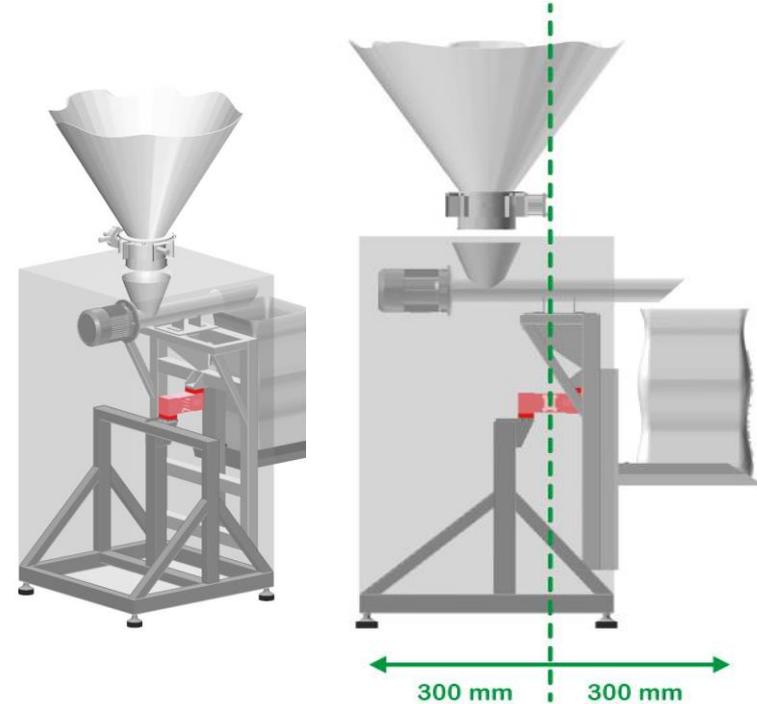


TLBPROFI



Application: PACKAGING MACHINE

Industrial sector:	FOOD
Reason of the weighing:	25 kg flour sack filling
Legal for trade:	Yes
System capacity:	30 kg
Tare:	20 kg
Resolution:	10 g
Number of legs:	1
IP rating:	IP67
Certification:	Atex 22, OIML R76 NAWI
Protocol:	PROFINET/IO



AZLI 100 kg + EXAZLI



WDESKRCX (load) + PROFINET IO



LAUMAS
solution

Application: ROLLER CONVEYOR

Industrial sector:

LOGISTIC

Reason of the weighing:

30 kg box check

Legal for trade:

No

System capacity:

100 kg

Tare:

70 kg

Resolution:

10 g

Number of legs:

1

IP rating:

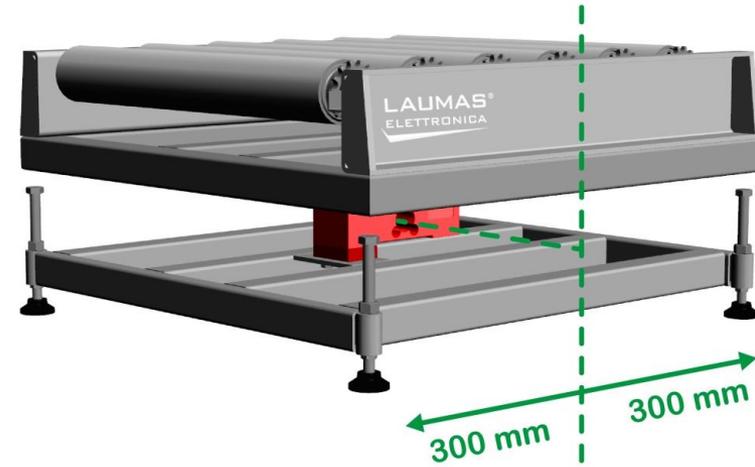
IP65

Certification:

None

Protocol:

Ethernet TCP/IP



PEC 150 kg



WDESKLBP + Ethernet TCP/IP



TLBETHETCP



LAUMAS
solution

Application: STATISTICAL CHECKING

Industrial sector:	FOOD
Reason of the weighing:	Prepacked pasta cartons checking
Legal for trade:	Yes
System capacity:	6 kg
Tare:	0,02 kg
Resolution:	2 g
Number of legs:	None
IP rating:	None
Certification:	OIML R76 NAWI
Protocol:	None

```

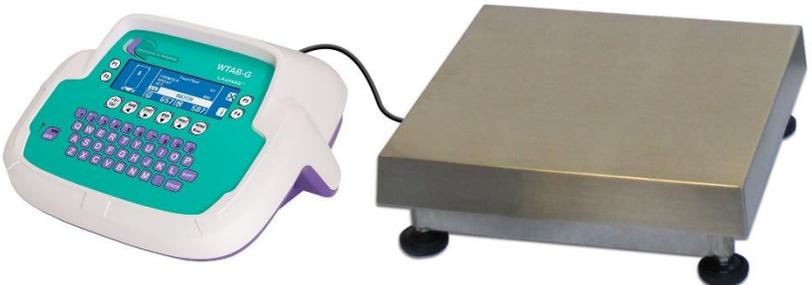
STATISTICAL CHECKING:
-----
W--- BASE      Addr:01
DATE: 12/04/19 15:20:32

LOT CHECK:      STOP
LOT:            LOT-00015
ITEM:          BULLONI

TARGET:        100 kg
Dev.Std:       2.257 kg
M.WEIGHT:      102.20 kg
L.WEIGHT:      98.86 kg
-----
Z ( % ) NUM   NET ( kg)
1: 000.0 000      0
2: 000.0 000      0
3: 096.6 029     2959
4: 003.3 001      107
5: 000.0 000      0
T:           030     3066
-----
LOT CHECK:      SUCCESS
-----
Z3 SAMPLE      030/030
NET            103 kg
PTARE          10 kg
Z3 SAMPLE      029/030
NET            103 kg
PTARE          10 kg
. . . . .
Z3 SAMPLE      002/030
NET            102 kg
PTARE          10 kg
Z3 SAMPLE      001/030
NET            102 kg
PTARE          10 kg
-----
LOT CHECK:      START
DATE: 12/04/19 15:17:51
LOT:            LOT-00015
ITEM:          BULLONI
TYPE:          STANDARD
QUANTITY:      150
Z1:            NET<90
Z2:            90<NET<95
Z3:            95<NET<105
Z4:            105<NET<110
Z5:            NET>110
-----
    
```

LAUMAS
solution

WTABGB + AIN 6 kg



Application: MULTIHEAD PACKING MACHINE

Industrial sector:	FOOD
Reason of the weighing:	500 g candy pack filling
Legal for trade:	No
System capacity:	2 kg
Tare:	2,5 kg
Resolution:	0,5 g
Number of legs:	1
IP rating:	IP67
Certification:	None
Protocol:	EtherNet/IP



LAUMAS
solution

PRC 6 kg



LCB EtherNet/IP



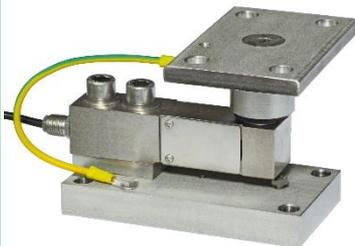
Application: BIG HOPPER

Industrial sector:	CEMENT / AGGREGATES
Reason of the weighing:	Batching
Legal for trade:	No
System capacity:	2500 kg
Tare:	500 kg
Resolution:	200 g
Number of legs:	4
IP rating:	IP67
Certification:	UL
Protocol:	4-20 mA



**LAUMAS
solution**

4x FTP 1000 kg
+ TF 2000



W200BOXCAP
+ Junction box



TLM8 + CASTLG8PG9



Application: HOPPER

Industrial sector:	CEMENT / AGGREGATES
Reason of the weighing:	Batching
Legal for trade:	No
System capacity:	1500 kg
Tare:	500 kg
Resolution:	100 g
Number of legs:	3
IP rating:	IP67
Certification:	No
Protocol:	4-20 mA



**LAUMAS
solution**

3x CTL 1000 kg
+ EM16DADO



W100ANA
+ Junction box

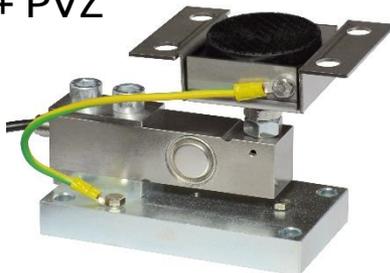


Application: BIG-BAG LOADER

Industrial sector:	WOOD / PELLETS
Reason of the weighing:	1000 kg big-bag filling
Legal for trade:	No
System capacity:	1500 kg
Tare:	300 kg
Resolution:	200 g
Number of legs:	4
IP rating:	IP67
Certification:	No
Protocol:	EtherNet/IP



4x FTK 1000 kg
+ PVZ



WDOSC + EtherNet/IP
+ Junction box



TLB4ETHEIP



LAUMAS
solution

Application: ROLLER CONVEYOR

Industrial sector:

LOGISTIC

Reason of the weighing:

Pallet weighing

Legal for trade:

No

System capacity:

3000 kg

Tare:

900 kg

Resolution:

200 g

Number of legs:

4

IP rating:

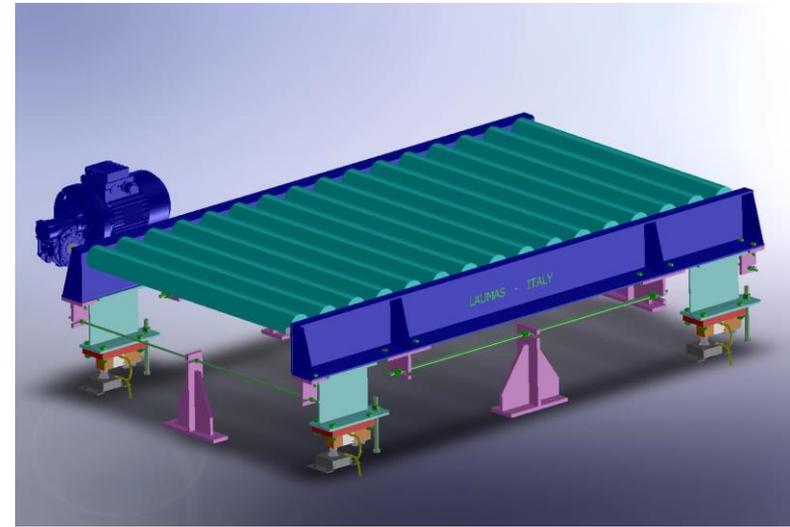
IP67

Certification:

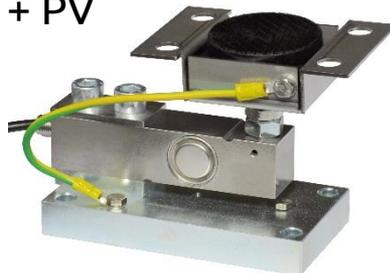
None

Protocol:

PROFINET/IO



4x FTP 1000 kg
+ PV



W200BOXBP + PROFINET/IO
+ Junction box



TLB4PROFINETIO



LAUMAS
solution

Application: AUTOMATIC WAREHOUSE

Industrial sector:

LOGISTIC

Reason of the weighing:

Pallet weighing

Legal for trade:

No

System capacity:

3000 kg

Tare:

900 kg

Resolution:

200 g

Number of legs:

4

IP rating:

IP67

Certification:

SIL

Protocol:

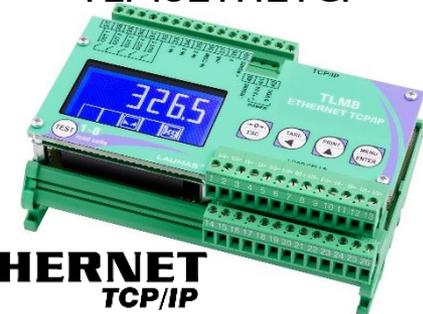
Ethernet TCP/IP



4x FTPDOP 1000 kg
+ SNODOGE20AX



TLM8ETHETCP



**ETHERNET
TCP/IP**

**LAUMAS
solution**

Application: SILOS

Industrial sector:	FOOD
Reason of the weighing:	Stock weighing
Legal for trade:	No
System capacity:	30000 kg
Tare:	5000 kg
Resolution:	5 kg
Number of legs:	4
IP rating:	IP68
Certification:	None
Protocol:	Modbus/TCP/IP



4x CBL 12500 kg
+ V10000



WINOXRBP + Modbus/TCP/IP
+ Junction box



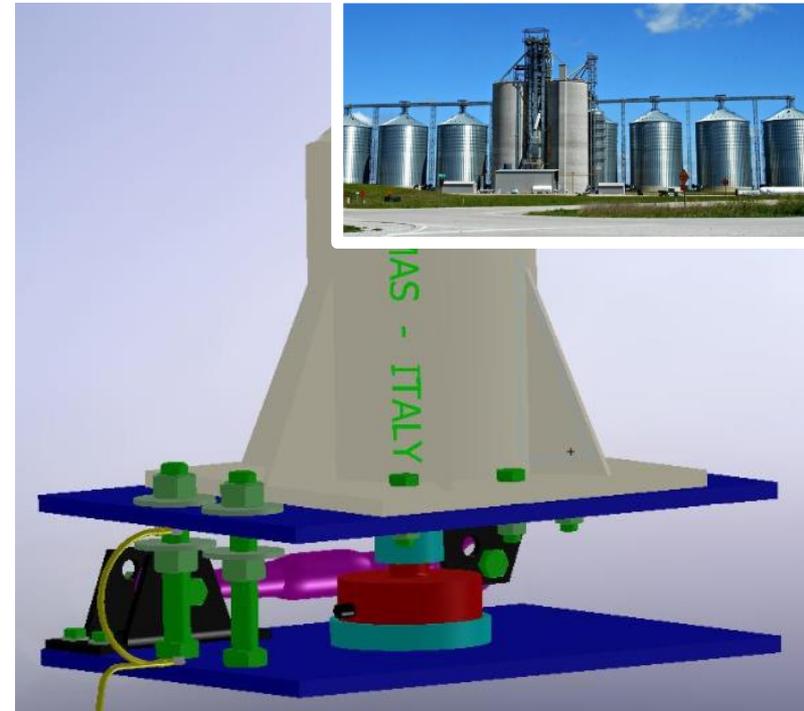
TLM8MODBUSTCP
+ CASTLG8PG9



LAUMAS
solution

Application: BIG SILOS

Industrial sector:	AGRICULTURE
Reason of the weighing:	Stock weighing
Legal for trade:	No
System capacity:	150000 kg
Tare:	15000 kg
Resolution:	10 kg
Number of legs:	6
IP rating:	IP68
Certification:	None
Protocol:	Ethernet/TCP/IP



6x CBL 50000 kg
+ BASESUP + BINF
+ 12x TENDITORE



WDESKLBP + Ethernet/TCP/IP
+ Junction box



**ETHERNET
TCP/IP**



TLM8ETHETCP
+ CASTLG8PG9



**LAUMAS
solution**

Application: WEIGHBRIDGE

Industrial sector:	QUARRIES
Reason of the weighing:	Truck weighing
Legal for trade:	Yes
System capacity:	60000 kg
Tare:	9000 kg
Resolution:	20 kg
Number of legs:	8
IP rating:	IP68
Certification:	OIML
Protocol:	None



8x COK 25000 kg
+ KITCOK



CLM8 + WTABBL
+ PROGWBRIDGE



CLM8 + WTABBGE



LAUMAS
solution

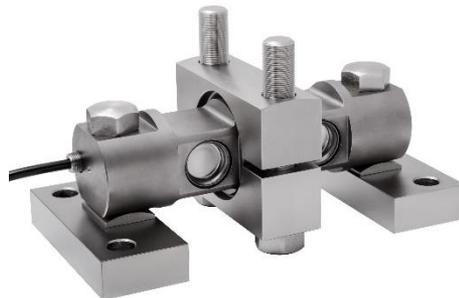
Application: ON BOARD WEIGHING

Industrial sector:	GARBAGE
Reason of the weighing:	Garbage weighing
Legal for trade:	Yes
System capacity:	30000 kg
Tare:	9000 kg
Resolution:	10 kg
Number of legs:	8
IP rating:	IP68
Certification:	None
Protocol:	None



LAUMAS
solution

8x DTX40KLB + VDTX



CLM8 + INCLINOMETER



Application: TESTING MACHINE

Industrial sector:	AUTOMOTIVE
Reason of the weighing:	Test
Legal for trade:	No
System capacity:	30000 kg
Tare:	100 kg
Resolution:	2 kg
Number of legs:	2
IP rating:	None
Certification:	None
Protocol:	EtherCAT



2x CL 20000 kg



2x TLBETHERCAT



1x TLB4ETHERCAT



LAUMAS
solution

Application: TESTING MACHINE

Industrial sector:

TISSUE

Reason of the weighing:

Test

Legal for trade:

No

System capacity:

2000 kg

Tare:

30 kg

Resolution:

100 g

Number of legs:

1

IP rating:

None

Certification:

None

Protocol:

None



1x SL 2500 kg



W200 + OPZWUSB



LAUMAS
solution

Application: CRANE

Industrial sector:

CRANES

Reason of the weighing:

Weight limiting

Legal for trade:

No

System capacity:

20000 kg

Tare:

500 kg

Resolution:

10 kg

Number of legs:

1

IP rating:

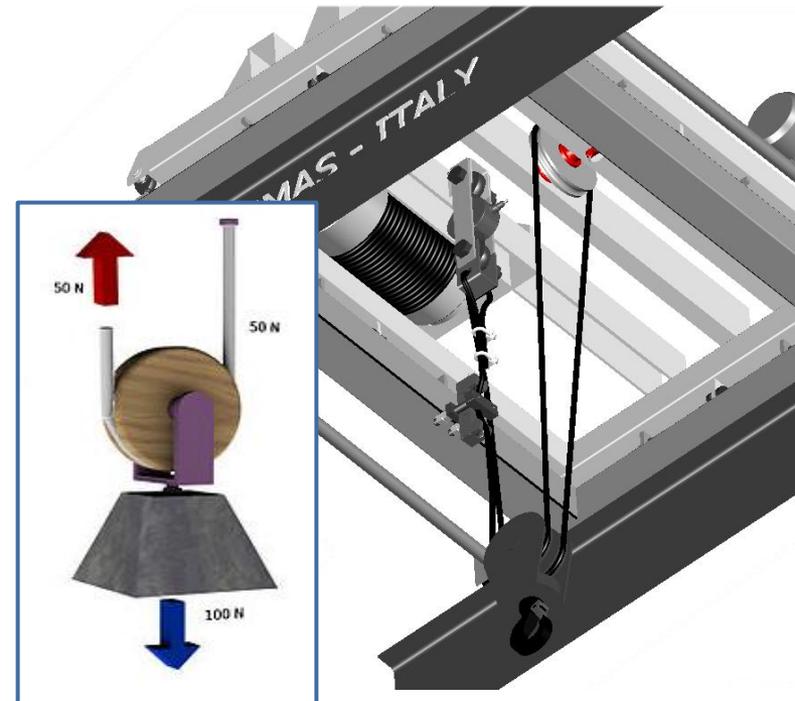
None

Certification:

None

Protocol:

WiFi



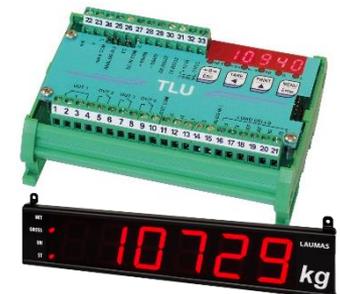
1x LAU 10000 kg



TLKWFIP67
+ WDESKLBP with OPZW1RADIO



TLU + RIP6100



**LAUMAS
solution**

Application: CRANE

Industrial sector:

CRANES

Reason of the weighing:

Weight limiting

Legal for trade:

No

System capacity:

20000 kg

Tare:

500 kg

Resolution:

10 kg

Number of legs:

1

IP rating:

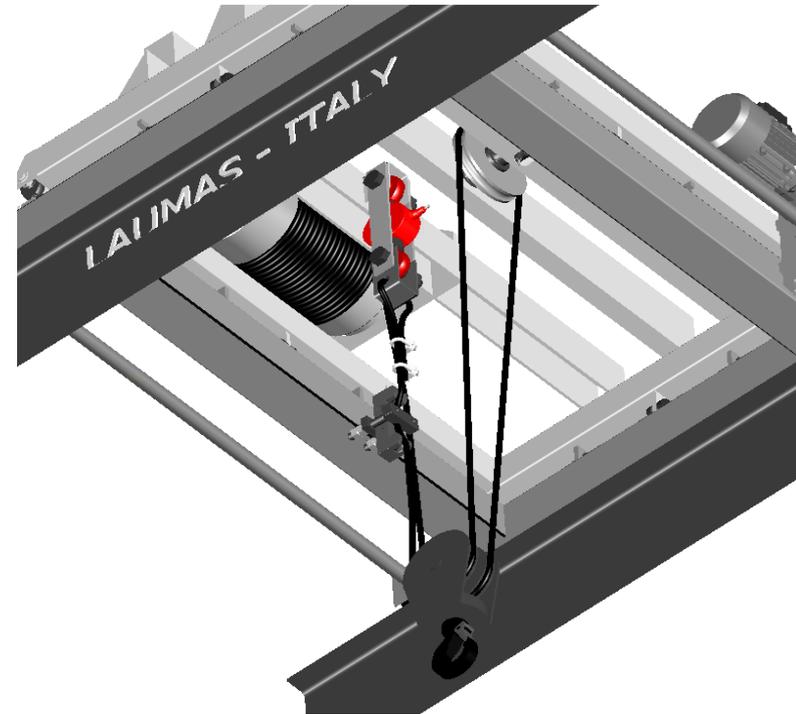
None

Certification:

None

Protocol:

WiFi



1x CTL 12500 kg
+ 2x EM35DADO



TLKWFIP67
+ WDESKLBP with OPZW1RADIO



TLU + RIP6100



**LAUMAS
solution**

Application: CRANE

Industrial sector:

CRANES

Reason of the weighing:

Weight limiting

Legal for trade:

No

System capacity:

20000 kg

Tare:

500 kg

Resolution:

20 kg

Number of legs:

1

IP rating:

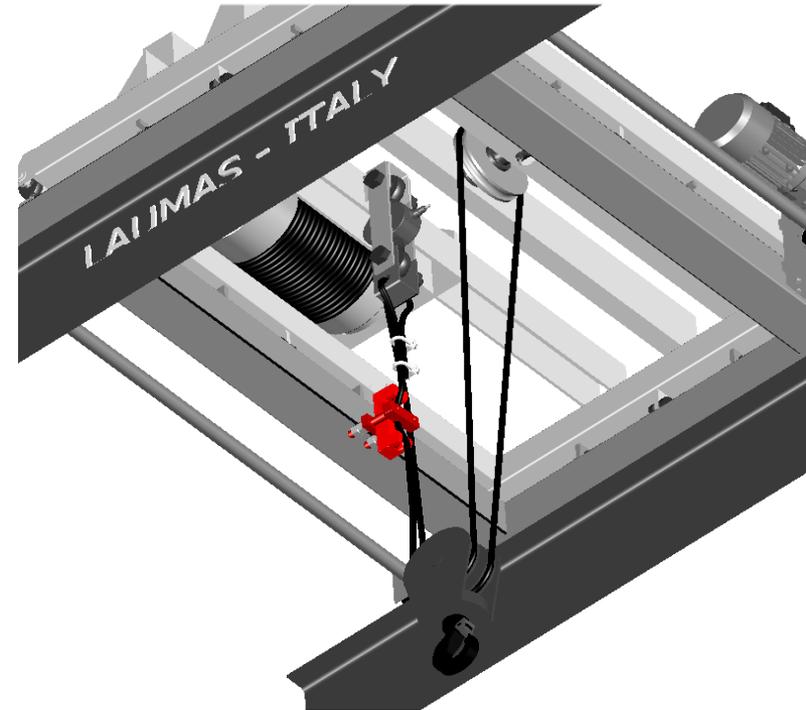
None

Certification:

None

Protocol:

WiFi



1x FUN16265T2T



TLKWFIP67
+ WDESKLBP with OPZW1RADIO



TLU + RIP6100



LAUMAS
solution



sales@laumas.it

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