

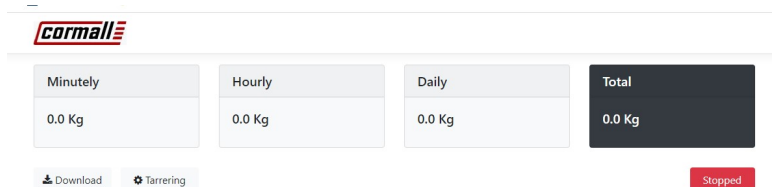
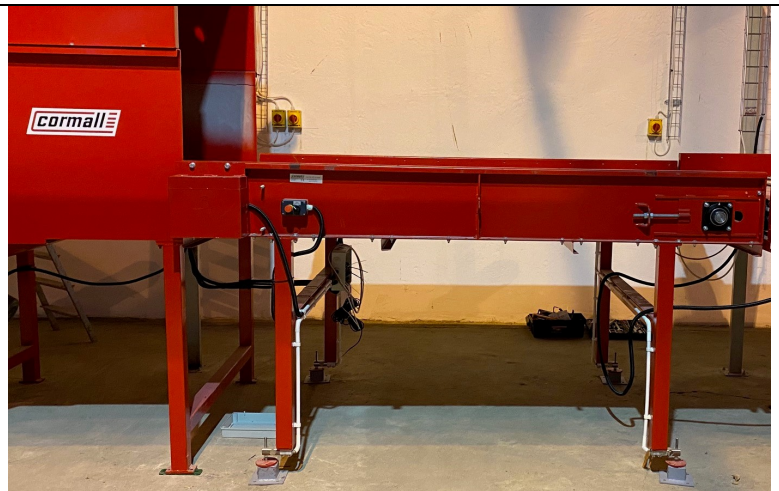
Data sheet:

Weighing conveyer – BCW 140/170



januar 8, 2021

Picture



Machine function

The BCW weighing conveyer makes a weighing of the straw bales and accumulates total weight passing the table. The conveyer is developed to measure consumption and to verify throughput on the line. Length of the conveyer can be 2,5 - 5 – 7,5 and 10 meters. the conveyer is placed as last conveyer conveying material into straw process line thus ensuring optimal measurement of production. The interface program is made with tara and has 4 accumulation:

1. Minutely production
2. Hourly production
3. Daily production
4. Total production (cannot be changed/edited)

Machine number for standard

1034-143W 2,5 meter - 140

	1034-144W 5 meter - 140 1034-145W 7,5 meter - 140 1034-146W 10 meter - 140 1034-007W 5 meter - 170 1034-008W 7,5 meter - 170 1034-009W 10 meter - 170			
Machine paint:	Standard ISO 12944-5 category C2. Machines, guards etc. comes in a color type RAL 3001 red suitable for indoor, non corrosive environment - water and oil resistant -15 to + 60 degrees C, surface purified with alkaline degreaser, painted with a machine primer and here after coating paint.			
Custom tariff number	84369900			
Power on motor kW	1,1 kW			
Starter and wiring	DOL, 4 x 1 mm ² (can also be frequency controlled)			
Oil type and change interval	Filled from supplier: Shell Tivela S320 (use similar) Exchange every: 4000 hours.			
Table speed	3.8 m/min			
Measures	W=1480 mm, H=850* mm and L=2500 5000, 7500 or 10000 mm (*with legs for bales at 650 mm from ground level)			
Weight	Meter	Gear motor	Complete section Kg	Total Kg
	2,5	91 Kg	390 x 1	481
	5	91 Kg	390 x 2	871
	7,5	91 Kg	390 x 3	1261
	10	91 Kg	390 x 4	1651
Standard	DS/EN 60204-1:2006 Safety of Machinery - Electrical Equipment of Machines, DS/EN ISO 13850 of January 29 th 2007 emergency stop, DS/EN ISO 13849-1 safety-related parts of control systems, DS/EN 60204-1: 2006, cable installation method E			
RISK ASSESMENT - Machine	The machine can be used as a “stand alone” machine and is therefore also delivered with a CE marking and conformity declaration. Emergency stop wire is placed along both sides of the machine. There is no risk for dust explosion inside the machine.			
Safety level as stand alone:	PLr: a (EN/ISO 13849-1)			
Safety level with MTX_H or RBS	PLr: c (EN/ISO 13849-1)			

Special load cells:

The conveyer can be equipped with different quality of load cells, depending on desired accuracy, this is to be agreed upon and priced accordingly:

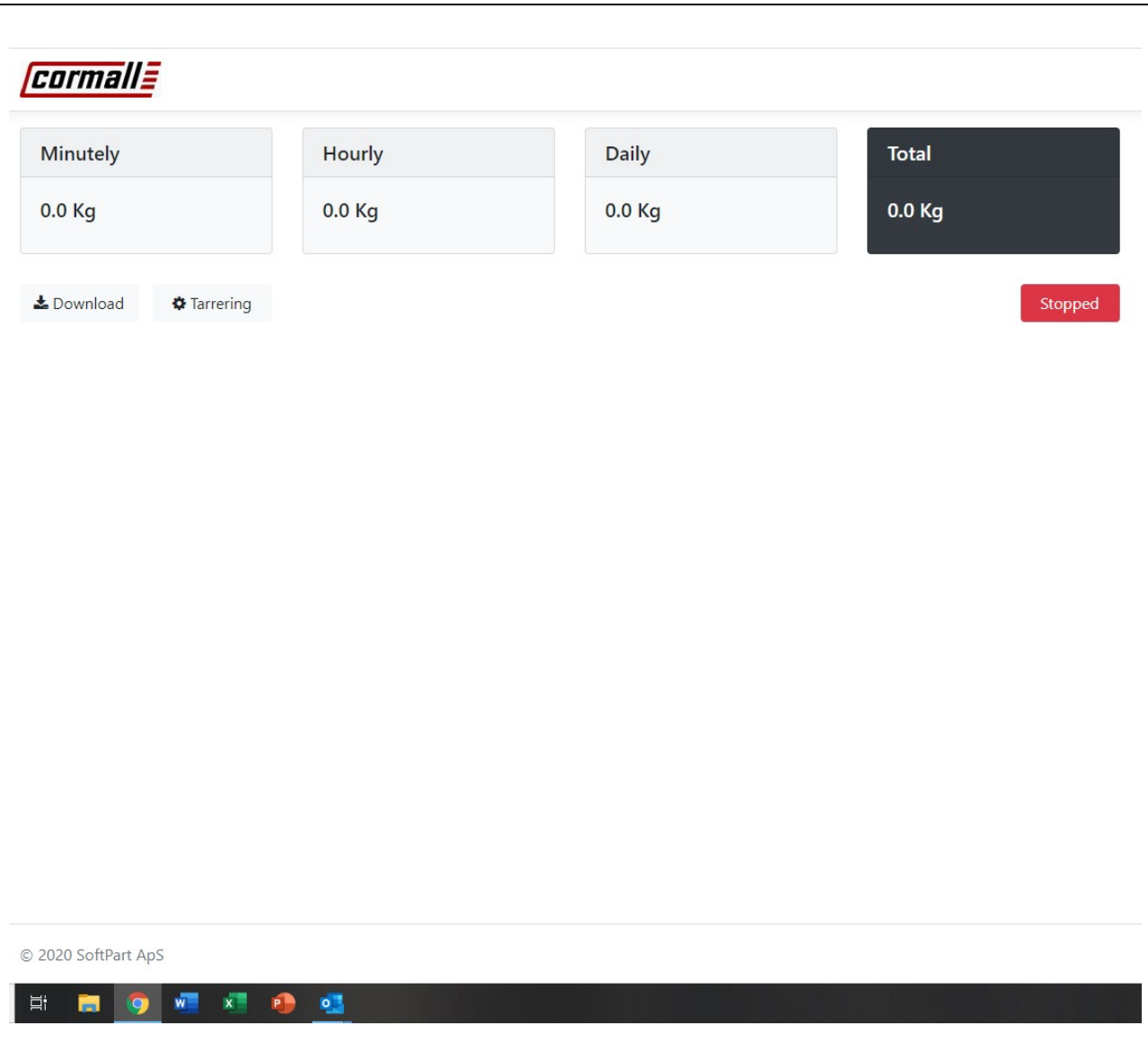
- 2,5- and 5-meter conveyer is equipped with 4 load cells
- 7,5 meter = 6 load cells and 2 junction boxes
- 10 meter = 8 load cells and 2 junction boxes
- Signal amplifier 24 Volt



Setup with 4x 10 meter conveyors and 1x 2,5 meter weighing conveyer, just in front of bale breaker machine SBB 1400



Setup of weighing accumulation is working with browser on PC without using the internet, but this can also be made as a remote reading:



The screenshot displays the Cormall web interface for a weighing conveyor. At the top left is the Cormall logo. Below it, there are four data boxes: 'Minutely', 'Hourly', 'Daily', and 'Total'. Each box shows a weight of '0.0 Kg'. The 'Total' box is highlighted in dark grey. Below these boxes are two buttons: 'Download' (with a download icon) and 'Tarrering' (with a gear icon). On the right side, there is a red 'Stopped' button. At the bottom left, the copyright notice '© 2020 SoftPart ApS' is visible. The bottom of the screenshot shows a Windows taskbar with icons for File Explorer, Google Chrome, Word, Excel, PowerPoint, and Outlook.

Minutely	Hourly	Daily	Total
0.0 Kg	0.0 Kg	0.0 Kg	0.0 Kg

Download Tarrering Stopped

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Recommended spare parts list:

Machine	Spare parts	Item number	Normal wear	Accidental	Warranty part	Cormall/Supplier stock	Lead time	Units
BT 170 Feed table	Conveyer slat	3033.253		x		X	D	2
	Kohlsvaer chain	3520.037		x		X	D	8-10

Analyzed risk following EN-ISO 13849-1:	S	F	P	PLr
1. Mounting: The machine is provided lifting positions that ensures balance when lifting and strong enough to hold machine load. Work place assessment should be made, before start with mounting.	S2	F1	P1	c
2. Operating: If a person sticks he's hand into the machine where the chain slat is going under the table, then he's fingers can get squeezed while the slat is passing, after passing he can pull he's fingers again. On both sides of the machine is placed a emergency wire to be pulled in case of incident.	S1	F1	P1	a
3. Servicing: All lubrication positions are from safe position, tightening of chain is from safe position.	S1	F1	P1	a
4. Renovation: When changing slats or chain, no accidental start of machine should be possible, the machine must be turned off on the main switch and locked.	S2	F1	P1	c
5. Scrapping/recycling: same comment as under 1. Mounting	S2	F1	P1	c