

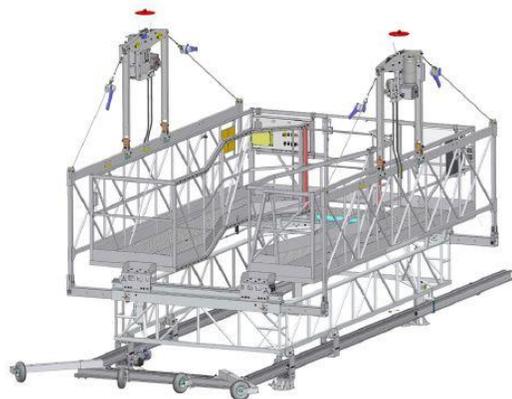
## RE: Tractel UVM10L Blade Maintenance Platform

Tractel is pleased to present the following proposal for the UVM10L blade maintenance platform. This proposal is based on the technical specifications of the unit as presented below.

The UVM10L blade maintenance platform is made up of three main functional groups and is constructed from welded aluminum.

- 1) The two working platforms are asymmetrically arranged and have been fitted so that there is an opening between them. Both halves can be moved electrically to match the changing contours of the rotor blades.
- 2) An enclosed base frame with side mounted trapezoids, on which the parallelograms supporting the traction hoists (tirak XE1030PO) and safety devices (BSO EFA 1030) are attached. The inclination of the parallelograms can be adjusted using lever hoists to ensure the platform is correctly balanced.
- 3) A lower expendable positioning frame with adjustable pressure roller components.

# UVM10 L

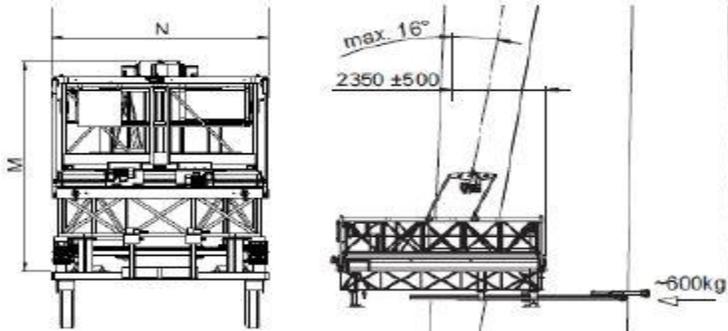
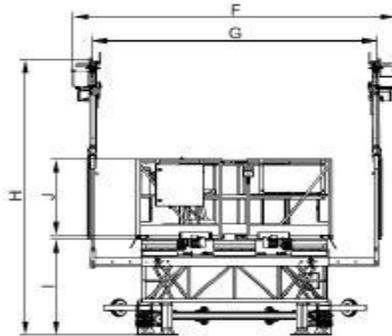
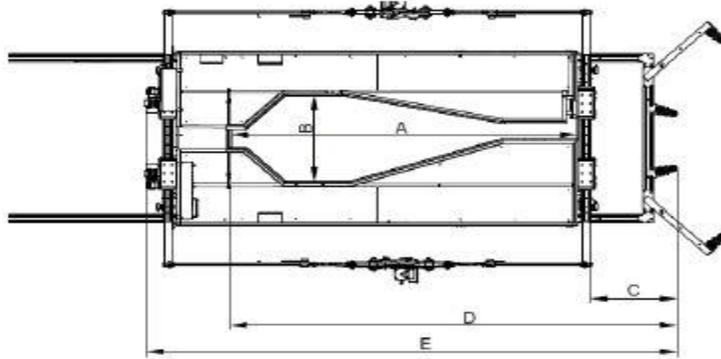


### UVM10L Advantages:

- Tirak XE1030PO Hoist – UL certified;

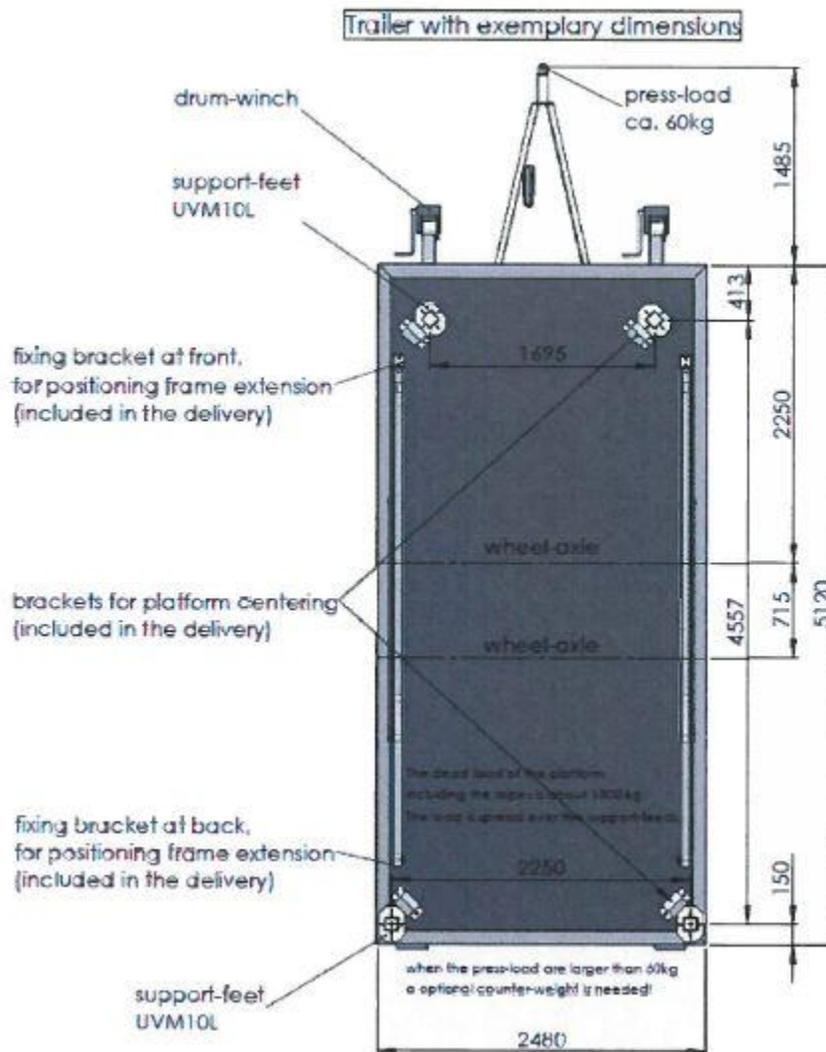
- Blocstop BSO 1030EFA independent secondary brakes
- Operating voltage is 400 volt, 3-phase, 60 hertz;
- Rated speed: 11m/min
- Max permitted wind speed: 12.5m/s (45km/h)
- Platform opening length: 4.2m
- Platform opening width: 1.0 to 2.15m
- Positioning frame pullout: 0.2 to 6.55m
- Reach of 10.9 meters from roller bumper on tower to end of blade;
- Platform weight: 1425-1495kg (w/ & w/o frame extension 3141-3295lbs)
- Overall height: 4.0m
- Rated load (WLL): 450-380kg (727-992 lbs – w/ & w/o frame extension)
- Transport height: 2.88m
- Transport width: 2.54m (100 in)
- Patented parallelogram hoist adjustment for leveling the platform, allowing a low center of gravity and greater stability without the use of counterweights;
- Bevel section of platform can be manually adjusted for various blade configurations;
- Both halves can be moved electrically, together or independent, to match the changing contours of the rotor blades. This enables very close proximity to the blades and allows for a safer and more ergonomic work environment;
- Working Load Limit is 450 kg (992 lbs) (265 lbs / 120 kg per side of platform) with extension;
- Automatic leveling of hoists;
- Automatic locking of blocstop safety device in case of inclination of platforms;
- Battery backup for emergency decent at the control box;

- Parts and service are readily available in Montreal, Canada.



For 130 m Height		UVM 10L 8.1 Without positioning frame extension	UVM10L 10.9 With positioning frame extension
A	Platform opening length	4.2m	
B	Platform opening width	1.0-2.15 m	
C	Positioning frame pullout	0.2 to 3.75m	0.2 to 6.55m
D	Safety roller/bumper roller clearance	4.6 to 8.1m	4.6 to 10.9m
E	Length with positioning frame retracted	5.6m	8.2m
F	Width	3.0 to 4.0m	
G	Suspension ropes clearance	2.5 to 3.5m	
H	Over all height	4.0m	
I	Substructure height	1.4m	
J	Guardrail height	1.1m	
K	Transport height	2.88m	
L	Transport width	2.5m	
Max. Permitted wind speed		12.5 m/s = 45km/h or 27mph	
Hoist rated speed		11 m/min (60Hz)	
Temperature range		-10 to 50° C (14 to 122° F)	
Dead weight inc. Power supply cable and 130m suspension wire rope		1425 kg (3141 lbs)	1495 kg (3295 lbs)
Rated load - WLL		450 kg (992 lbs)	380 kg (837 lbs)
Rated load (each half of the platform)		225 kg (496 lbs)	190 kg (418 lbs)
Independent secondary brake (2x)		Blocstop™ BSO EFA 1030	
Traction hoist (2x)		tirak™ XE1030PO	
Working load limit (2x)		1000kg	
Noise emission (at a distance of 1m)		70 dB (A)	
Supply voltage		400 V / 60Hz	
Power plug		CEE (3P + N + PE)	
Control voltage		48 V / 60 Hz	
Fuse		16 A	
Protection Category		IP 55	
Length of power supply cable		Max 150m	
Dimension – weight power cable		(5x2.5mm <sup>2</sup> – 0.33 kg/m)	
Nominal wire rope diameter		Ø 10mm	

The UVM10L blade platform will fit on a trailer with the following dimensions (measurements are in millimeters). The platform comes equipped with 4 anchorage points for securing and centering the unit.



Width: 97.63 in.  
Length: 201.57 in.