

# TECHNICAL DATA SHEET



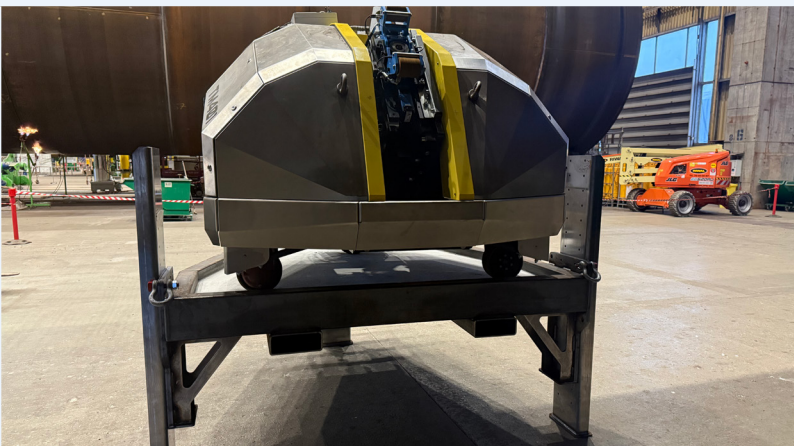
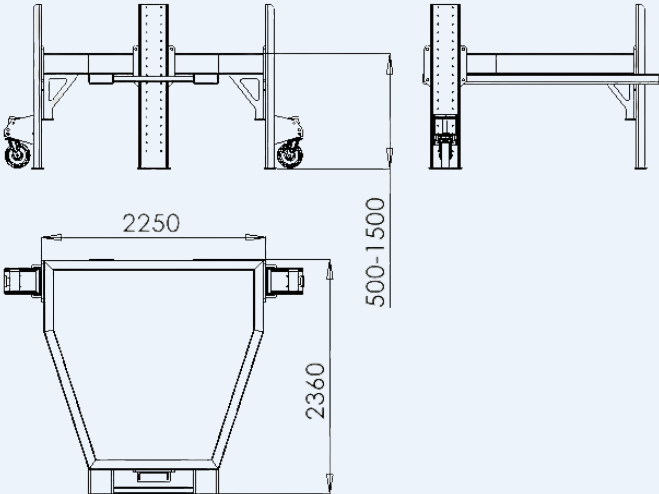
## TECHNOLOGY

**PRODUCT NAME:**

TM401 Elevation platform

Movable and mobile platform solutions for operating the Maxars TM401 weld profiling robot at height and addressing outside circumferential weld seam in monopiles placed on rollerbeds with headroom underneath for manoeuvring self-propelled modular transporters (SPMT).

*Contact us for options including custom build elevation platforms for your specific production needs.*



## TECHNICAL DATA

Weight	Approx. 1500kg depending on solution
Certification	CE
Regulatory compliance	EU Machinery Directive 2006/42/EC, EN ISO 12100
Onsite transport/handling	Fork-lift truck or self-propelled

**Contact**

**Claus Valsted, CEO**

cv@maxars.com  
+45 21 25 75 15

**Morten Flatau, Project Manager**

mf@maxars.com  
+45 21 25 75 00

Hjulmagervej 13 | DK-9490 Pandrup | Denmark  
Office hours are 8:00 AM to 4:00 PM (CET)  
[www.maxars.com](http://www.maxars.com)



## OPERATIONAL PERFORMANCE AND ADVANTAGES

<b>Weld seams and support structures</b>	Both inside and outside girth welds in 5+ meter diameter monopile and tower sections, including conical sections (< 5-degree taper).
<b>Working environment</b>	<p>Delivering dust-free weld profiling by replacing belt and disc grinding with machining.</p> <p>Reducing noise from weld profiling to approx. 80 dB.</p>
<b>Productivity</b>	Single-pass flush profiling at a rate of 30-60 meters/hour depending on weld geometry and conditions.
<b>Quality/precision</b>	Operator-independent and CNC quality machining to an XYZ-accuracy of $\pm 0.2$ mm and surface roughness of $< Ra\ 3.2$ across weld seam geometries.
<b>Automation</b>	<p>One-click setup for inside or outside girth weld seam profiling.</p> <p>Tool-depth setting in increments of 0.1 mm for removal of weld toe undercuts</p> <p>Automatic, laser-guided acquisition, characterisation and tracking of weld seam</p> <p>Preprogrammed geometric improvement of same-thickness joints, thickness transition joints (both with and without taper) and misaligned joints.</p>
<b>Handling</b>	Storage-to-section deployment and section-to-section transfer in less than 15 min. Seam-to-seam transfer in approx. 5 min. using a fork-lift truck.
<b>Profile geometry</b>	Uniform weld profile with large-radius transition from weld toe to plate material.

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