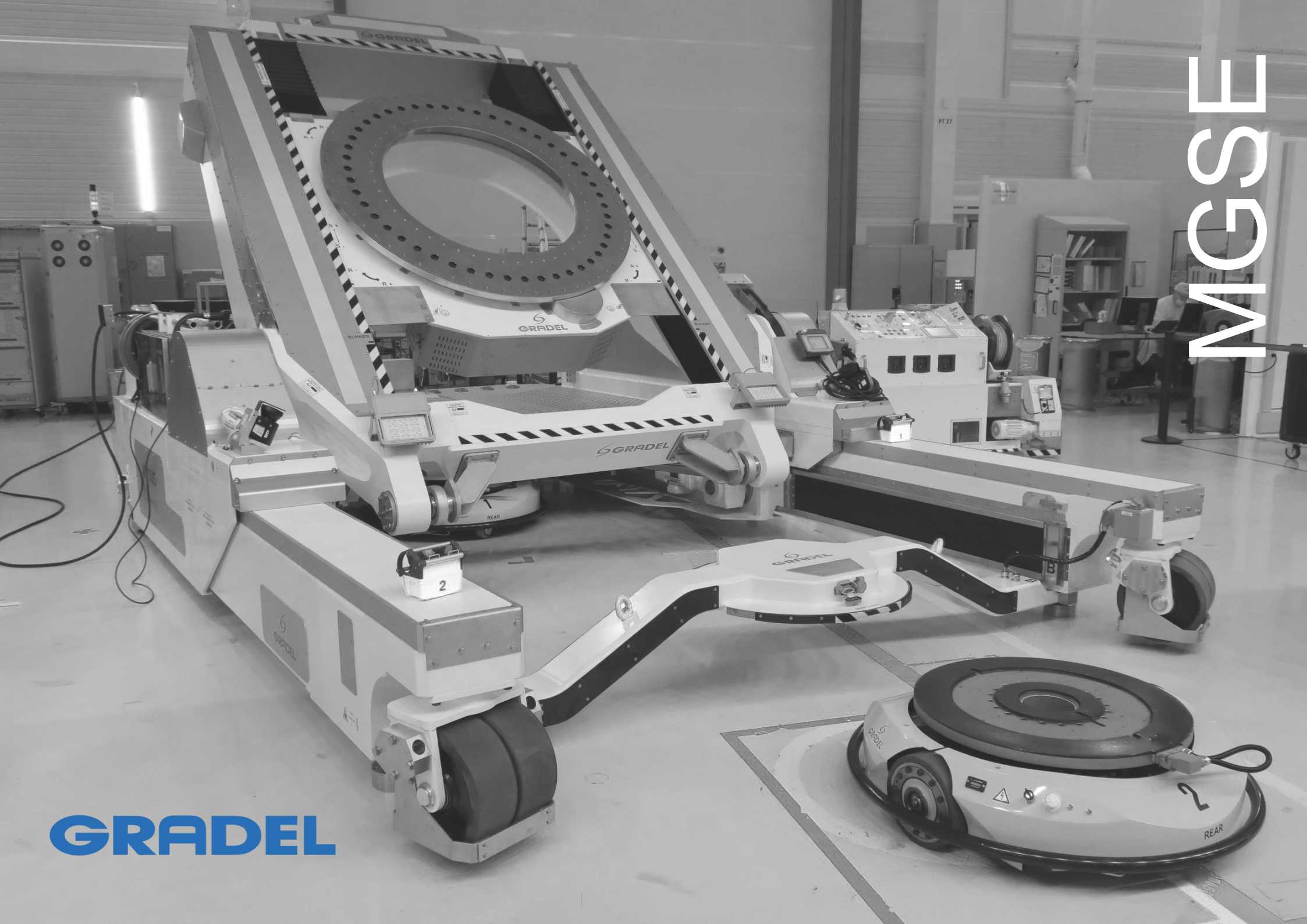
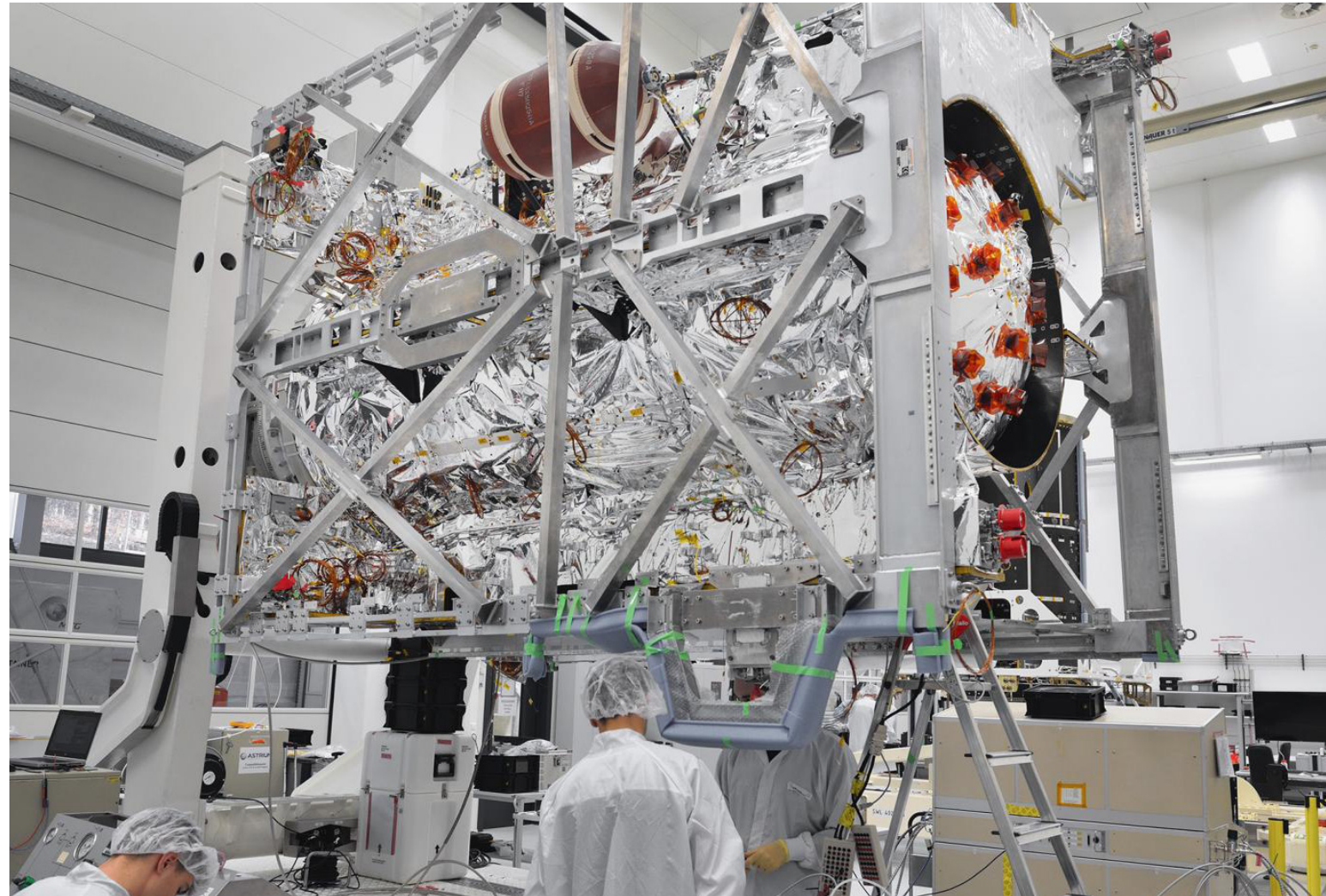


ESGM

GRADEL







Gradel Sarl is your partner for the development of special machines for mechanical and electromechanical solutions. Our team will develop optimized solutions by using current modeling technology (e.g. Solidworks) and FEM simulations working together with a state of the art workshop.

In the Space domain, our contribution is in mechanical engineering and manufacturing, including Mechanical Ground Support Equipment (MGSE).



# HEAVY COMPACT MPT W/AGV

## 8000 KG / 3.5 METERS

### Baseline Features

Telescopic Beam System  
 Tilting (incl. sensor): 0 to 92 ° / Electric / Step 0,1  
 Rotation (incl. sensor): 0 to 360 ° / Electric / Step 0,1  
 Translation: 1010mm / Electric / Step 1mm  
 3 x Screw Jacks (incl. spirit level)  
 2 x Lateral Stabilizers  
 4 x Castors  
 1 x Electrical Control Cabinet (on MPT)  
 2 x Steering Bars (stored on MPT)  
 1 x Harness Support (stored on MPT)  
 1 x Storage Box (stored on MPT)  
 Manual Backup of Drive Systems (stored in Box)  
 Cleanliness ISO 8 Compatible

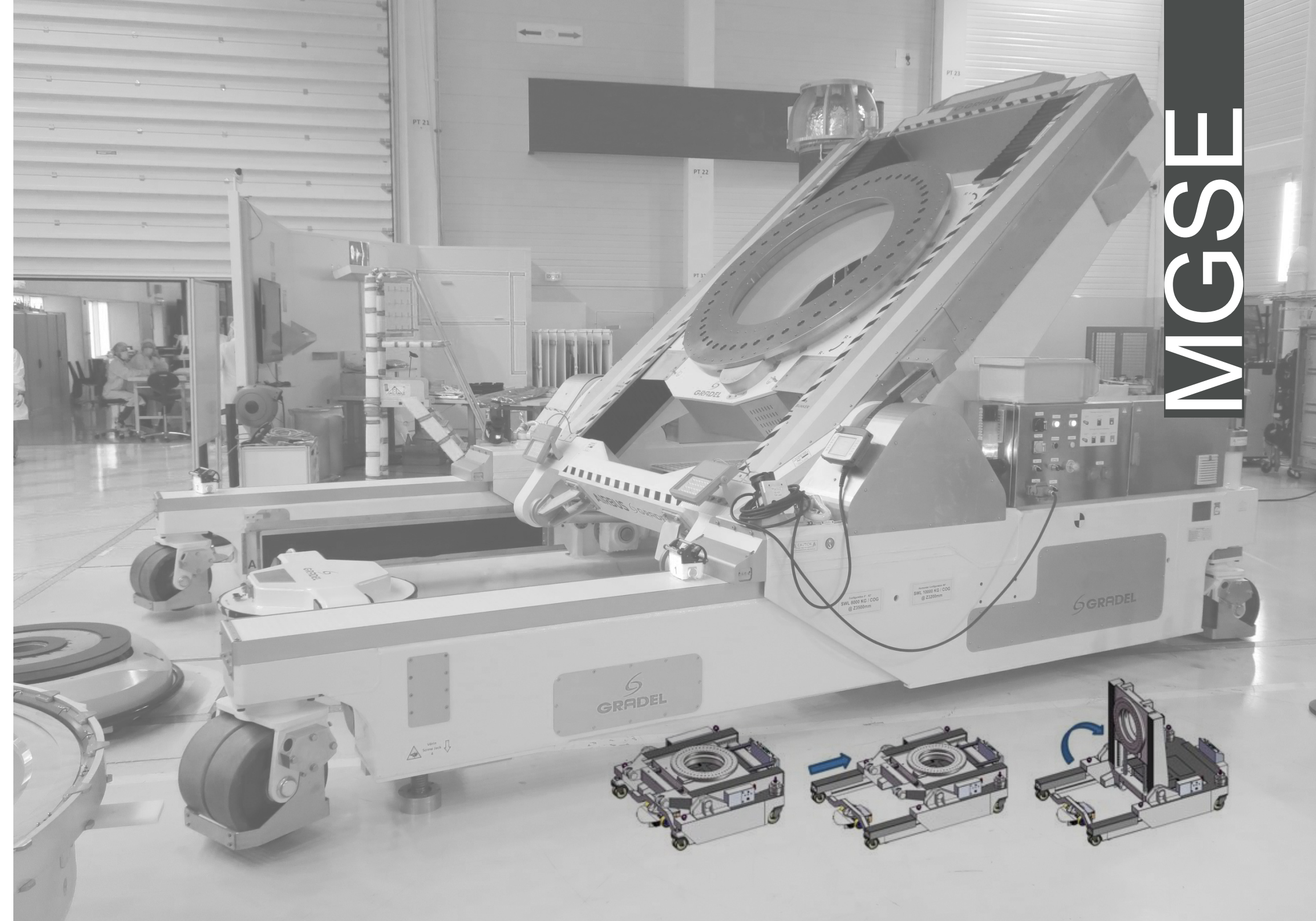
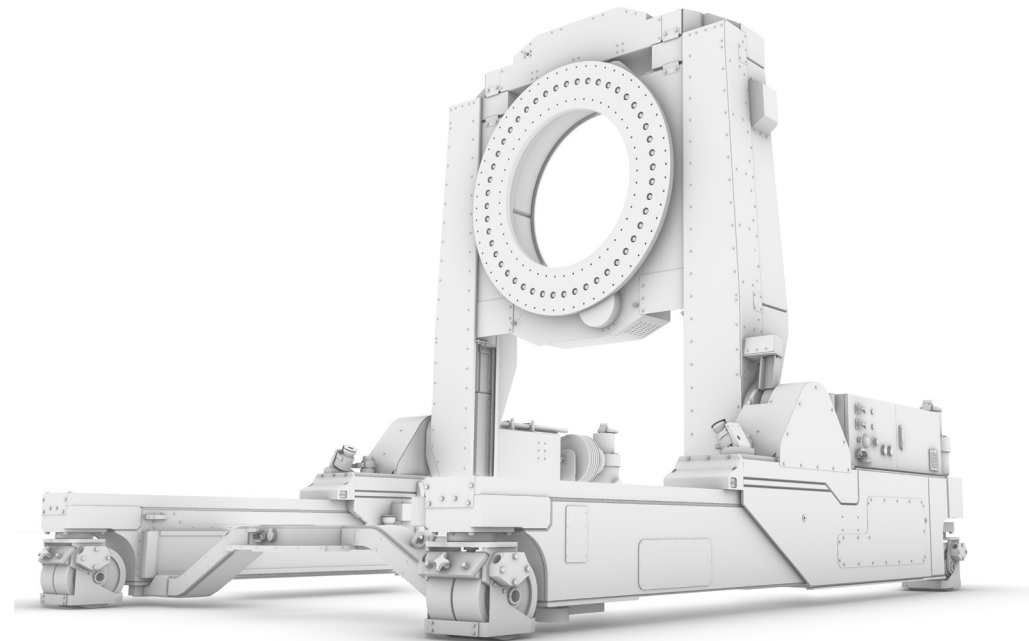
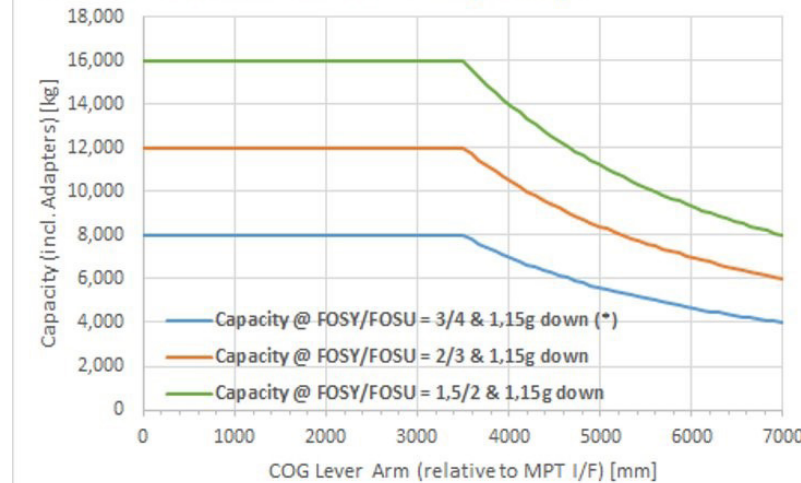
### Optional Features:

2 x Working Platforms (stored on MPT)  
 Lifting Textile Slings (stored in Box)  
 Automatic Guiding System  
 Tarpaulin  
 Integrated & Seperate Tool Box  
 AGV Towing Bar P/F  
 Safe Zone System (Safety Laser Scan)  
 Two Casters Equipped W/ Additional Spring System  
 Area for Air Pads

### Dimensions and Mass:

HxLxW @ 0 °: 1400 x 4000 x 3600 Rim on Casters  
 HxLxW @ 90 °: 4050 x 5600 x 3600  
 Min S/C Axis Height: 1685 mm  
 Max S/C Axis Height: 2800 mm  
 MPT I/F to front edge @ 90 °: 10300  
 MPT I/F: TBD between Ø1260 & Ø1730 PCD  
 Max S/C Envelope: Ø4570  
 Empty Mass: 16000 kg  
 2 x AGVs: 1800 kg

### HEAVY COMPACT MPT Capacity:



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MGSE Issue 1

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