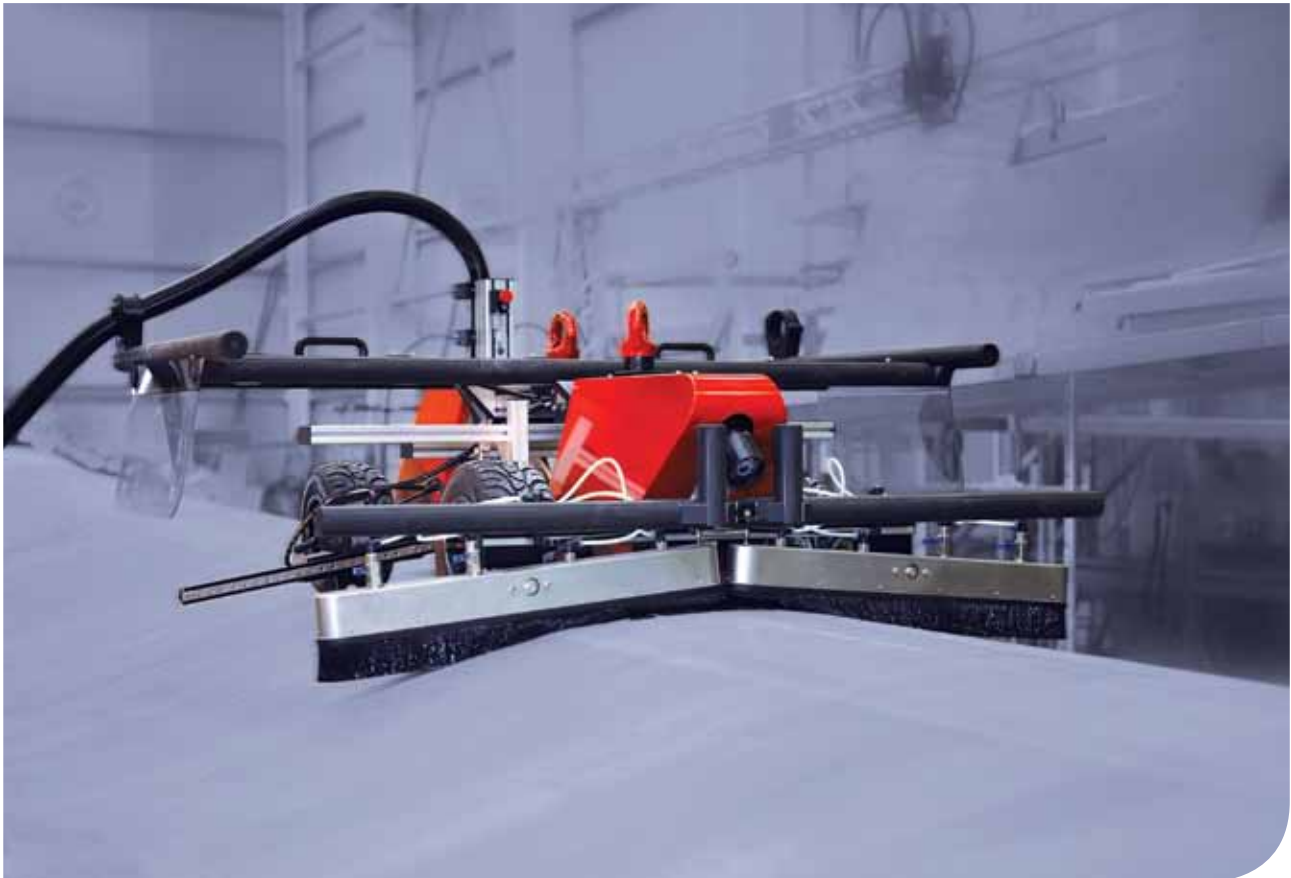


## AMS-46

– Wind turbine rotor blade scanner



The **AMS-46** is an automated mobile crawling XY scanner, dedicated for inspection of wind turbine rotor blades and blade components.

### Features

- Remote scanner control through video camera and steering control
- Speed, resolution and efficiency in mapping of main girder laminates and bond-lines
- Self-propelled crawling scanner unit.

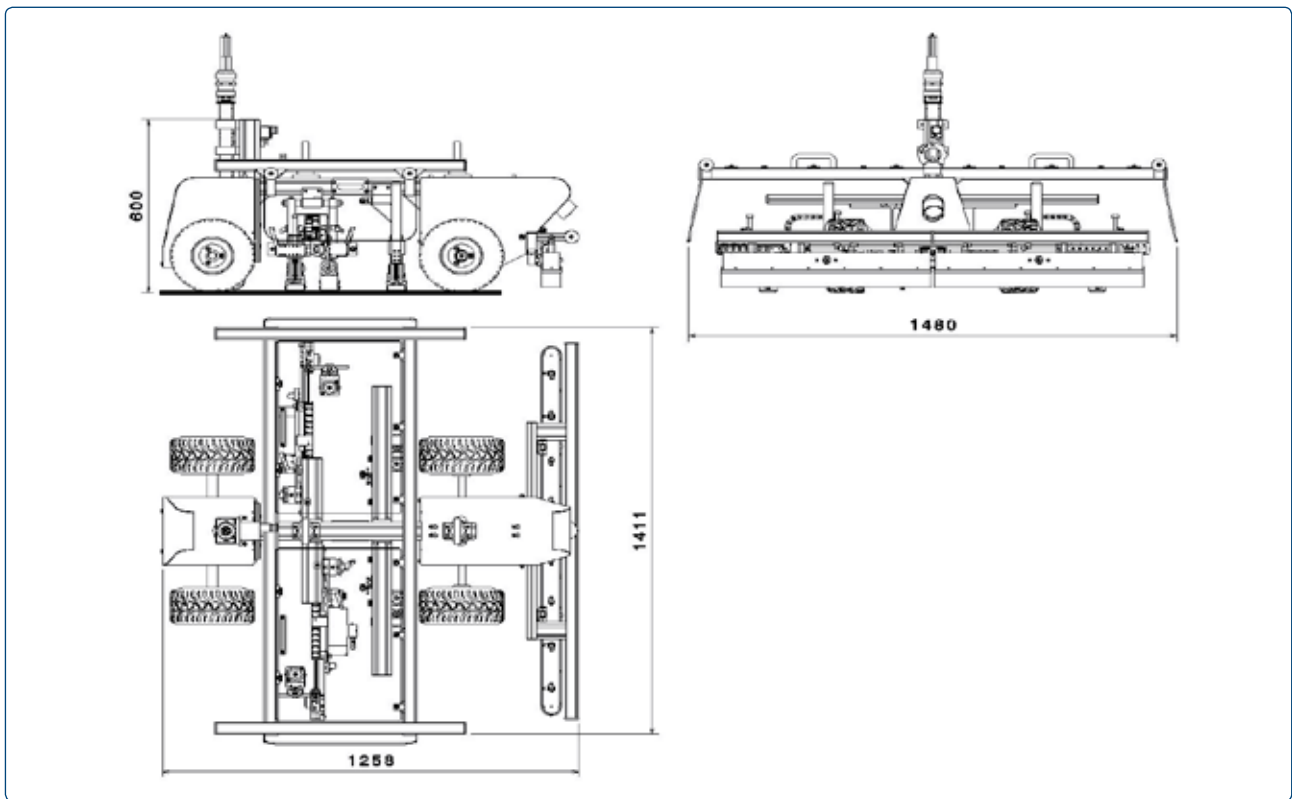
### Applications

- Indication of delaminations and dry areas in girder composite laminates
- Adhesive bond-line assessment
- Rotor blade in horizontal position
- Assessment of UD fibre waviness (wrinkles and undulations).



## Mechanical Design

The AMS-46 is designed from modular scanner components, making it feasible to configure the scanner according to actual requirements, e.g. configuration of high-performance ultrasonic probes, various scan paths.



## Technical specification for AMS-46

### Velocities

In X direction: max 100 mm/s

In Y direction: max 250 mm/s

### Stroke

Y-direction: 2 x 500 mm

### Object Dimensions

Minimum curvature: R 1.000 mm

Minimum width: 400 mm

### System Interface

The scanner is delivered with interface to any type of P-scan System 4 ultrasonic control units.

### Physical Specifications

Weight (standard configuration): 18 kg

### Options

On-board digital camera system for visual surveillance of scan path. Remote steering control.

Spray system for pre-wetting of blade surface prior to scanning operation.

Scanner interface is available for different types of motor drive controllers.