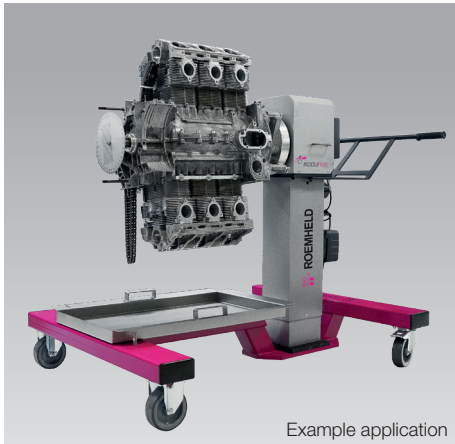




Motor Stand Pro

mobile assembly fixture with lifting and rotation axes for loads up to 400 kg
electrically operated



Example application

Principal use

- Inspection work on motors up to 400 kg
- Reassembly of motors and gears
- Inspection and adjustment work
- Assembly and maintenance of hydraulic motors
- Assembly work on valve blocks

Description

The Motor Stand Pro is suitable for the controlled positioning and rotation of heavy workpieces during assembly and disassembly. An electric battery-powered drive lifts and lowers the workpieces. The rotating module allows for unlimited rotation without end stops. The drive with fail-safe function ensures that the workpiece is held securely in any position. It is conveniently operated via a manual switch.

The replacement battery enables quick battery changes and minimises downtime.

Use

The lifting and rotation axes are electromechanical drive units without integrated safety devices to prevent crushing and shearing. When installing and operating the entire device ensure that hazards caused by moving parts are avoided. The switch operating element must be positioned so that, whilst the mechanism is in motion, the operator remains outside any potential hazard zones. The drives with fail-safe function hold the workpiece in place within the permissible load limits and prevent off-centre loads from tipping over uncontrolled.

Note

A minimal amount of lubricant leakage may occur. It is therefore not intended for use in food-related or cleanroom environments.

Advantages

- Electric drive with rechargeable battery
- Axes with fail-safe function hold any position
- Delivered ready for use
- Unlimited rotation without limit stops
- Electric height adjustment for ergonomic working
- Sturdy, play-free industrial design
- Good accessibility
- Increase of quality in manufacturing and assembly processes

Application

The Motor Stand Pro with electric rotating drive is used for assembly, maintenance and inspection work on motors, gears and other assemblies weighing up to 400 kg.

It is used in production facilities, maintenance areas and service centres.

Variants on request

- Foot switch operating element
- Special lacquering for cart module
- Version with manual axes, without battery
- Version without lifting axis

Materials

- Main components: steel and steel sheet
- Oil sump: stainless steel sheet
- Rollers: PUR wheels
- Control and operation: plastic materials
- Li-ion battery

moduhub Motor Stand Pro electrically operated

Part no. 6401 213

Technical characteristics

Rotation angle:	unlimited, fail-safe function in any position
Max. torque:	140 Nm
Max. holding torque:	1,000 Nm
Max. bending moment:	2,000 Nm
Lifting force:	4,000 N
Stroke:	400 mm

Operation modes

Hand panel – combined for lifting and rotation axes



Comprising the following modules

- Lifting module Solid as per data sheet M 4.402
- Rotating module DMHe 140 as per data sheet M 1.202
- Cart module WMS 200 as per data sheet M 5.101
- Control module as per data sheet M 8.201
- Accessories as per data sheet M 8.203



moduhub interfaces

- Flange plate: 140 x 140 – M10 threaded

Delivery

- Cart with lifting and rotation axes
- Push handle
- Hand panel
- Battery
- Battery charger
- Oil sump

Accessories

- Rechargeable battery 3822 185
- Perforated insert plate for oil sump

Technical characteristics

Driven torque	[Nm]	140
Holding torque	[Nm]	1,000
Bending moment	[Nm]	2,000
Rotation speed	[r.p.m.]	approx. 3
Rotating plate interface		<i>moduhub 140 x 140 M10</i>
Rotation angle		Unlimited, fail-safe function in any position
Max. workpiece weight	[kg]	400
Stroke	[mm]	400
Base height (centre of rotation axis)	[mm]	approx. 750
Operating voltage		24 V DC
Weight	[kg]	approx. 170

Part no.

6401213

Startup

Due to its own weight of approximately 170 kg, it is recommended that unloading be carried out using suitable lifting equipment (e.g. a crane or forklift). Once a fully charged battery has been inserted, the motor stand is ready for use.

Operation

The lifting and rotation axes are operated in touch control mode via a central manual push-button. Each axis moves only whilst the corresponding button is pressed.

The battery can be replaced quickly and charged externally.

Dimensions

