

Module OC-Mini

including spray device OC-Mini and wire feed gear PF1

Spray device OC-Mini

The spray device OC-Mini with the closed nozzle system is ideal for the processing of corrosion protection wires. The special geometry of the nozzle system components allows a very fine atomization of the melt particles, whereby a correspondingly fine coating with low surface roughness is achieved. This provides a significant savings potential of paint for subsequent topcoats.

The spray device OC-Mini is consequently designed on a low weight without incurring a compromise on longevity. In combination with the wire feed gear PF1, hose packages up to a length of 4 m can be used.

The developed DC power connectors from OSUCAS offer a low-loss power transmission with minimal heat generation and improved conductivity. Hereby the energy stays where it should be – in the spray process.

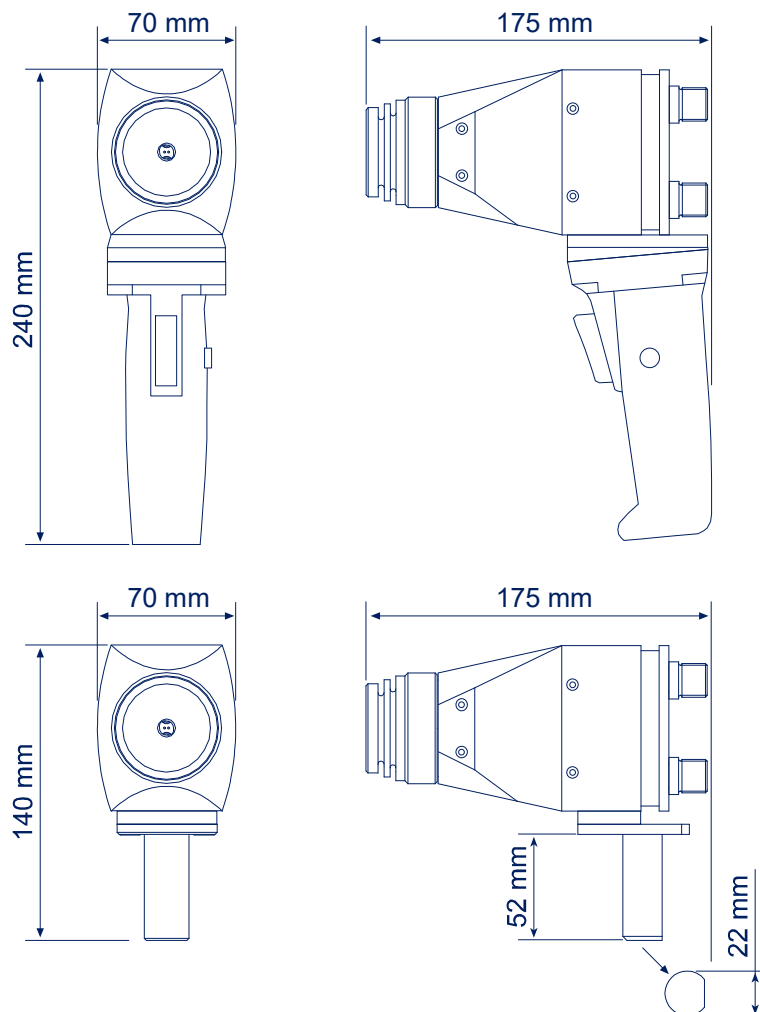
For integration into an automated spray process, we also supply this lightweight spray gun as a support version. This is equipped with a clamping fixture instead of the handle.



The OC-Mini – compact, lighter, tougher

- Housing made from fiber-reinforced material for a long service life
- Light weight by compact design for less fatiguing working
- Ergonomic and easy handling
- Light and robust plastic handle with integrated dead man's control (alternatively with clamping fixture for integration into an automated spray process)
- Optimized power connectors for high energy efficiency
- Special wire guide tubes for hose package lengths up to 4 m
- Connection possibility to (almost) all OSU power sources
- Minimal demand of wear parts due to waiving of feed gear.

Specifications of spray device OC-Mini



Spray wires and deposition rates

Spray wire quality	DIN EN ISO 14919
Spray wire diameter	2,5 mm (other diameter on request)
Spray current max. (at 100 % ED)	600 A

Compressed air supply

Required compressed air quality	DIN ISO 8573-1 class 1
Compressed air temperature	Re-cooled to at least 25 °C
Consumption atomizer air	60-100 m³/h

Miscellaneous data

Weight	1,1 kg (without cable and hose set)
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Wire feed gear PF1

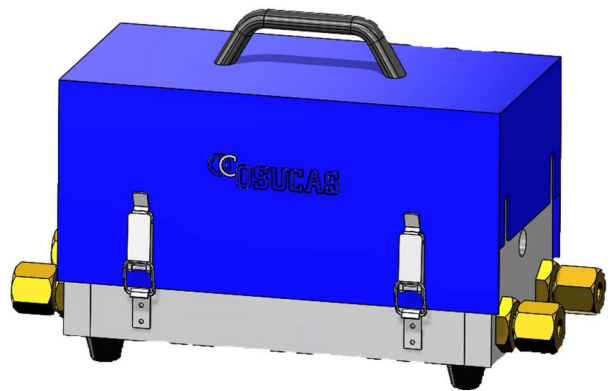
The wire feed gear PF1 is a compact wire feed unit for the operation with the spray device OC-Mini. The energy-efficient synchronous motor is completely maintenance-free and generates, despite its compact design, a powerful torque. In combination with its slip-free running characteristics, a constant wire feed is guaranteed at any speed, resulting in a clean and smooth burning arc.

The current-air-connectors integrated in the baseplate offer a low-loss energy transfer with minimal heat buildup at the terminals due to their large contact area.

The wire feed gear PF1 is suitable for almost any application:

- With optional PTFE slide plate for easy movement on solid ground
- With base plate incl. mounting for the use on a tripod
- For mounting on a robot arm
- Ergonomic and easy handling

Overall, the wire feed gear PF1 offers a variety of capabilities, which meets your requirements.



Features of wire feed gear PF1

- Energy-efficient, maintenance-free synchronous motor with high efficiency
- Low weight and compact design
- Optimized power connectors for high energy efficiency
- Option for mounting a modular base plate

Specifications of wire feed gear PF1

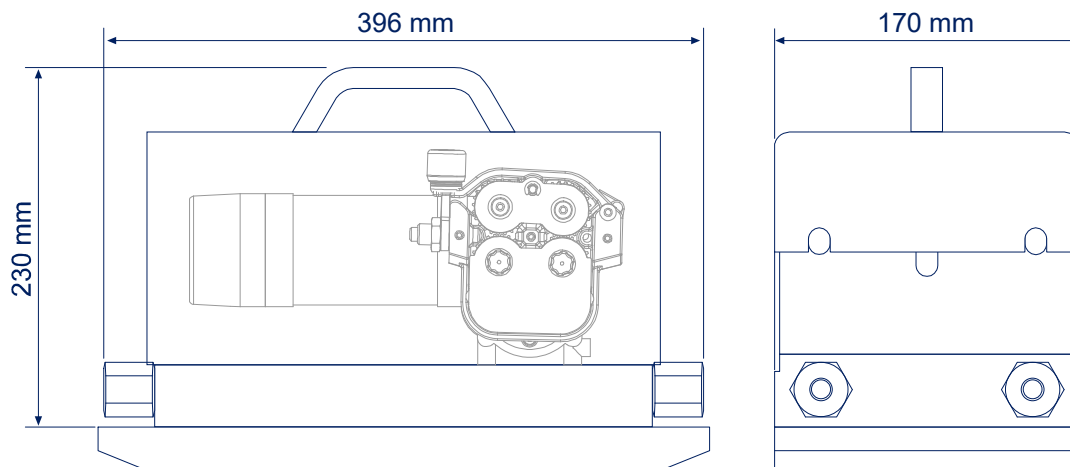


Illustration with optional PTFE slide plate

Electrical data

Connection voltage motor 3 x 230 V AC

Nominal power of motor 85 W

Miscellaneous data

Weight 17,5 kg

Gear ratio 15:1