



# MWF-1 Master Wirefeeder Factsheet

With the newly developed master wire feeder or wire feed unit, a compact design was achieved due to the design, as the drive is carried out via the BLDC or DC motor directly on a worm wheel and thus a large structure was kept small from the start. Furthermore, with the pneumatic clamping mechanism and a clear and easily accessible surface structure, a quick and effortless wire changing system could be developed, as different additional materials or welding wires are being used more and more often these days. Knurled screws were used to fasten the wire reels so that they could be changed without tools. In terms of performance data, a tensile force of at least 15kg was achieved, with the curve for an aluminum wire being at least 18kg. These values result from a contact pressure of the cylinder of 4 bar.

## Contact



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## About SBI GmbH

SBI was founded in 1999 with the aim of developing rapid prototyping technologies. SBI has therefore developed its plasma technologies and built welding solutions. From automated solutions for coating technologies to the repair of forging dies or plasma arc deposition machines for the maintenance of aircraft turbines, SBI has established world-renowned references in the field of arc deposition plasma. Since 2009, SBI has established itself as the main supplier of its plasma-based technology for the 3D manufacturing of aeronautical parts.

Besides its renown portfolio of superior plasma inverter systems and plasma welding equipment, SBI has been developing its own additive manufacturing machines. The manufacturer put the metal additive manufacturing system M3DP on the market in 2019.

