

High-speed additive manufacturing and coating of large workpieces



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Fast, Precise, Flexible



The highly dynamic kinematics of the PKM machines enables surface rates up to 1,000 cm²/min and build rates up to 600 cm³/h.



Reproducible production of filigree 3D-structures with a minimum wall thickness of 500 µm and roughness of about 20 µm.



Combination of diverse alloy systems and elementary metals with nozzle-based powder supply.



Technical Specs

- Wide range of feed rates: up to 170 m/min: For smooth surfaces, high accuracy and high productivity
- Max. acceleration: 2,5G for maximum powder efficiency
- Up to 8 powder hoppers for material flexibility
- Real-time spot size control (typically 0.3 to 1.8 mm)
- Build envelope: 4,000 x 3,000 x 2,000 mm (extendable)
- 3- and 5- axis operation

