

# INDUSTRIAL GRADE METAL 3D PRINTING

WE OFFER ADDITIVE MANUFACTURING (AM) SERVICES  
TO GREAT RANGE OF APPLICATIONS:

- CUSTOMIZED METAL FORMING TOOLS
- MACHINING JIGS AND FIXTURES
- FUNCTIONAL PROTOTYPES
- IMPROVED SPARE PARTS



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## MACHINERY

3DSystems ProX DMP300:  
Manufacturing volume: 250x250x330mm  
Typical accuracy: +/- 50 µm

PostProcess Rador post-processing system:  
Surface finish quality of up to Ra 1.6µm

Haas UMC-1000SS:  
5-axis machining for the most demanding geometries

+ We offer various other services, such as wire cutting,  
grinding, honing, and CMM measuring.

## MATERIAL

- Maraging steel (DIN 1.2709)
- Ultimate strength of over 2000MPa (heat-treated)
- Hardness (Rockwell C) 55 ± 3 (heat-treated)
- Well-polishable and weldable material
- Excellent material for cold forming,  
as a mold material, and for special tools

## BENEFITS AND SPECIALTY

- Tough and durable tool steel
- Adaptive designs
- Quick iteration cycles
- Curving channels in parts for cooling or cutting liquid
- Mass reduction
- Spare parts quickly (even without drawings)

If you are interested in our additive manufacturing service  
or have any questions, please do not hesitate to contact us.

WE LOOK FORWARD TO HEARING FROM YOU  
AND HELPING YOU WITH YOUR NEXT PROJECT.

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Our commitment to innovation, quality, and customer satisfaction has always been the key to our success in over 50 years of producing crimping machines. Now we have taken this same concept to provide you with an industrial-level metal 3D printing service.

At Lillbacka Powerco Oy, we specialize in providing high-quality metal 3D printing services for all your manufacturing needs.

We use ultra-high-strength tool steel called maraging steel, which can be used in the most demanding applications.

#### MOST USED APPLICATIONS

- Custom tooling
- Functional prototypes
- Spare parts
- Fixtures and jigs
- Molds and cooling inserts
- Cutting tools
- Series production of complex geometry

#### WE PROVIDE

- Manufacturing from prototypes to series
- Design support for additive manufacturing
- Post-Processing
- Heat-treatment
- Part finishing, machining, grinding
- Reverse engineering of spare parts

We use metal additive manufacturing to produce specialized tooling for our world-famous crimping machines.

By using this groundbreaking technology, we can produce individual tools with complex geometry cheaper and faster than before.

