

Reverse engineering – reconstruct a component

No drawing, no manufacturer, no replacement: we measure the existing part, reconstruct it as a 3D model and deliver drawing and manufacturing data – so it can be made again.



DURATION

1–3 weeks
depending on
part

LOCATION

Solothurn
workshop · on
site possible

PRICE

On request

BILLING

By quote

Why

With older machines the drawings are missing, the manufacturer no longer exists or doesn't deliver. Without data nothing can be made. Reverse engineering creates the basis: the part becomes a model again.

Who it's for

Operators and service companies with older plants, spare parts and design managers.

Your benefit

- Replacement for parts without drawing and without manufacturer
- Data stays in your possession – for every further procurement
- Opportunity to improve: material, wear, geometry
- Manufacturing or printing possible straight afterwards

Prerequisites

- The original part or a meaningful remnant of it
- Information on application and load
- Clarification of IP rights: no reconstruction of protected parts

How it works

- 1 Send in the part or measure on site
- 2 Measurement (measuring equipment, 3D scan via partner if needed)
- 3 Reconstruction as a 3D model with manufacturing drawing
- 4 Print or manufacture the sample part and fit it
- 5 Handover of the data (STEP, DXF, PDF)

Included

- Measurement and reconstruction
- 3D model and manufacturing drawing
- One sample part for a fit check
- Data handover

Deliverables

- 3D model (STEP) and drawing (PDF/DXF)
- Sample part
- Recommendation for material and manufacturing process

Not included and options

MC-ENG-070	Manufacturing, printing or sourcing of the part	on request
MC-ZUS-010	Measurement on site: travel	at cost

Have a part reconstructed

Describe part, question and application in the request form and upload drawings or photos – assessment usually within 48 hours.

www.maroisproject.com/en/engineering/teil-anfrage

