



squaredone

*MAXIMIZING  
MANUFACTURING EFFICIENCY*

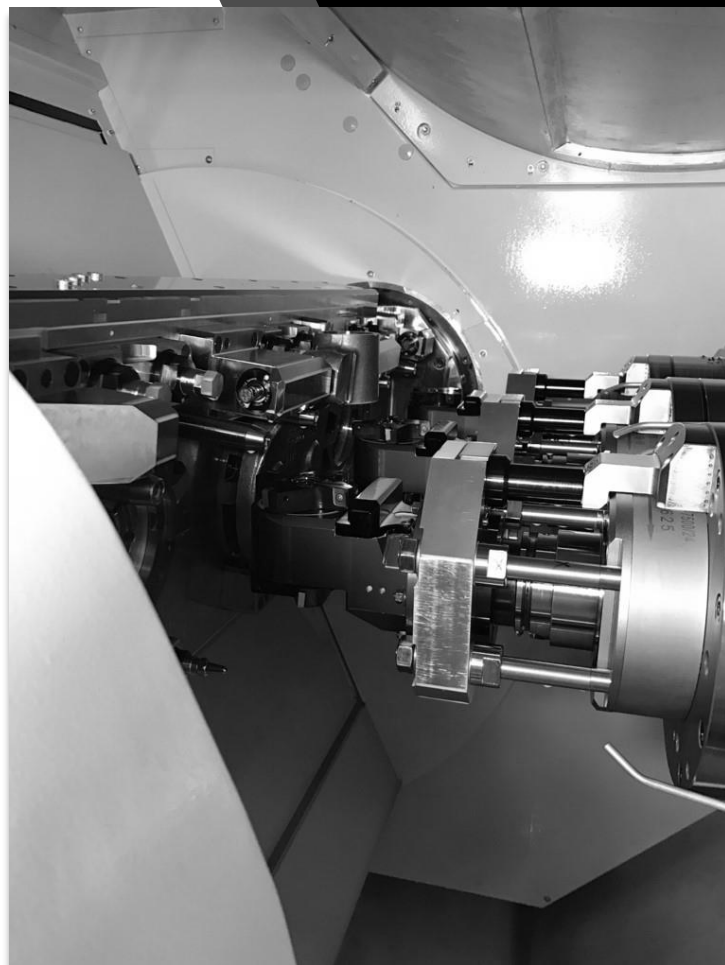
# squaredone: why work with us?

With **15+ years of experience** in manufacturing engineering we have the know how and resources to:

- Provide you with an **independent view** on your manufacturing equipment and process
- Guarantee a **holistic and economical approach** to optimize your production
- Show you **transparent and honest** what your return on investment looks like
- Provide you with an **understandable and sustainable solution**



# squaredone: solutions and core competences



## MANUFACTURING



**Process  
Optimization**  
For existing machines

Optimizing an existing process to increase output at minimal expenses



**Re-Tooling**  
For existing machines

Maximizing output, quality and profit without investing into new machines



**Turnkey  
Solutions**  
For new machines

Fully customized solution with the maximum output

## VALUE ADDED ENGINEERING



**Design &  
Development**

Optimizing designs for best machineability and cost efficiency



**Sourcing**

Reducing product cost and improving quality

# core competence: process optimization

## What is it?

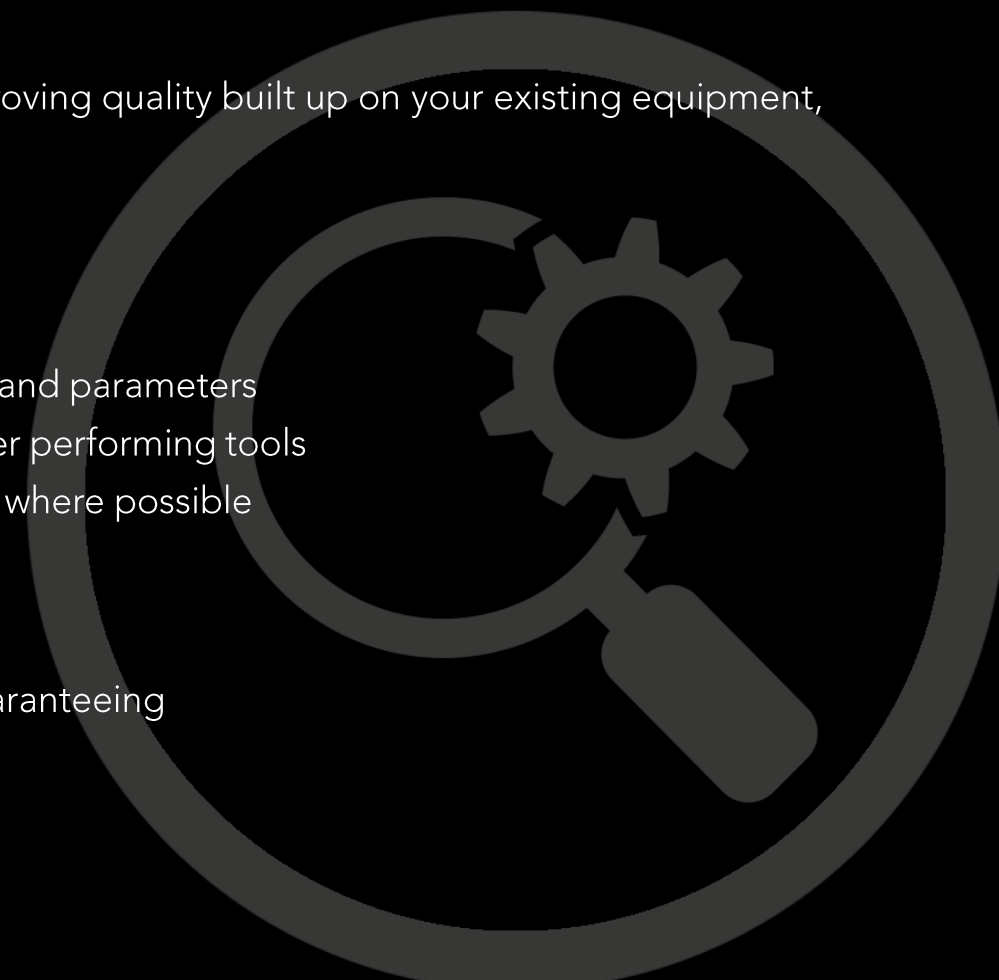
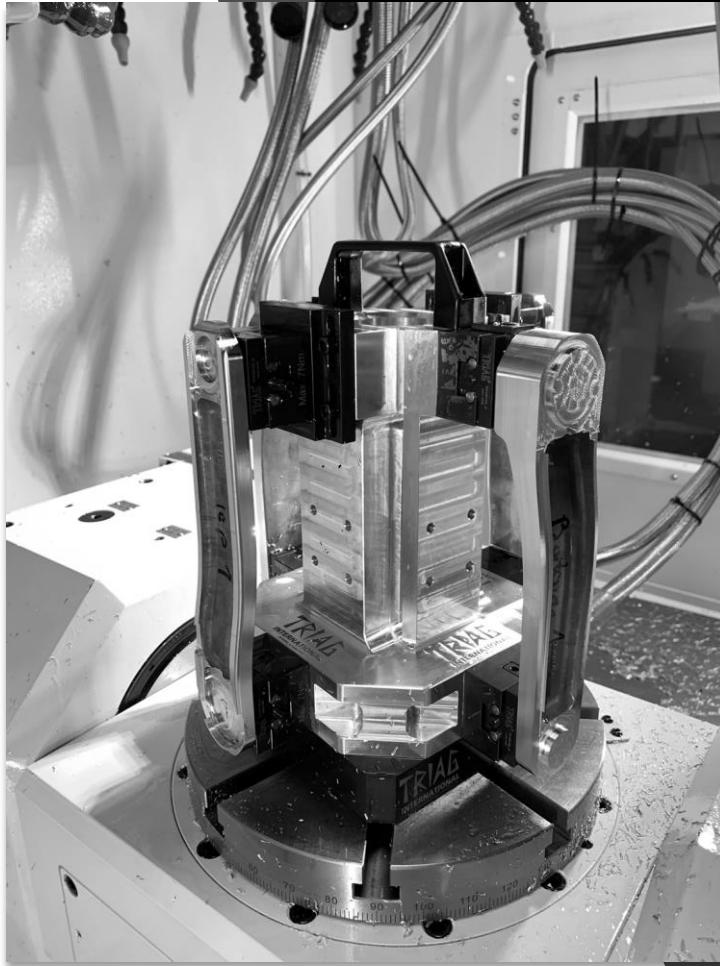
Reducing machining times and improving quality built up on your existing equipment, procedures and processes.

## How does it work?

- Analyzing the existing processes
- Optimizing machining programs and parameters
- Replacing certain tools with better performing tools
- Make use of combination cutters where possible

## What is the benefit?

- Short implementation period guaranteeing
- Top results in a short timeframe
- Appropriate investment





# core competence: re-tooling

## What is it?

Developing an optimal machining process from scratch on an existing machine for a new part. Or, developing an optimized process for an existing part on an existing machine.

## How does it work?

- Cycle time calculation for part(s) to be machined
- Return on investment analysis
- In-house tool and fixture design
- CNC programming and process testing
- Run off support

## What is your benefit?

- Use of existing machines and extending their life cycle
- Customized solutions, maximizing output, quality and profit
- Excellent balance of implementation time, effectiveness and investment



# core competence: turnkey solutions

## What is it?

Consultation, evaluation and development on the best possible investment in machines and processes.

## How does it work?

- Cycle time calculation of part(s) to be machined
- Machine evaluation from suitable suppliers
- Return on investment analysis
- In-house tool and fixture design
- CNC programming and process testing
- Run off support

## What is your benefit?

- Clean slate approach
- Fully customized solution, maximizing output, quality and profit



# core competence: value added engineering - sourcing

## What is it?

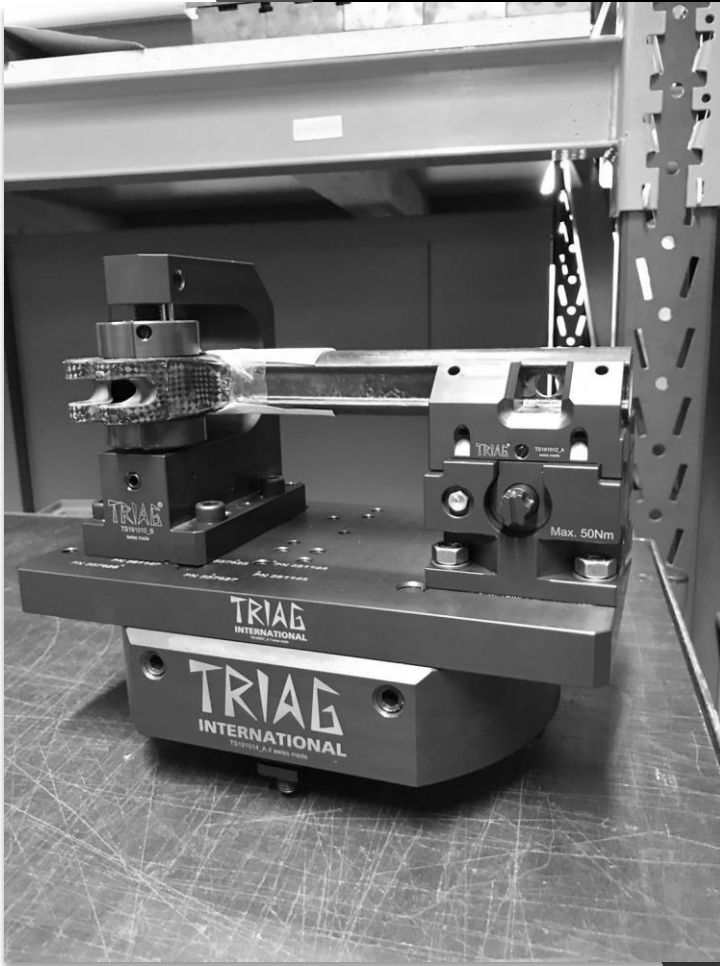
Analyzing your supplier's machining processes and evaluation of savings potential.

## How does it work?

- Cycle time calculation of your sourced parts with an optimal machining process
- Recommendation of suitable tools and fixtures
- Return on investment analysis

## What is your benefit?

- You get a clear target to work towards with your suppliers
- You get a very clear understanding of your cost structure
- Increase your sourcing potential



# core competence: value added engineering - development

## What is it?

Best possible support during the development process of new products in terms of machineability in order to avoid high costs and loss of quality.

## How does it work?

- Analysis of your design and feedback on machineability
- Cycle time calculation of your parts based on an ideal machining process
- Evaluation of most suitable machining processes
- Manufacturing cost estimation

## What is your benefit?

- Streamline your development process
- Optimize your product before investing into expensive prototypes





# additional services



## CNC Programming and process testing

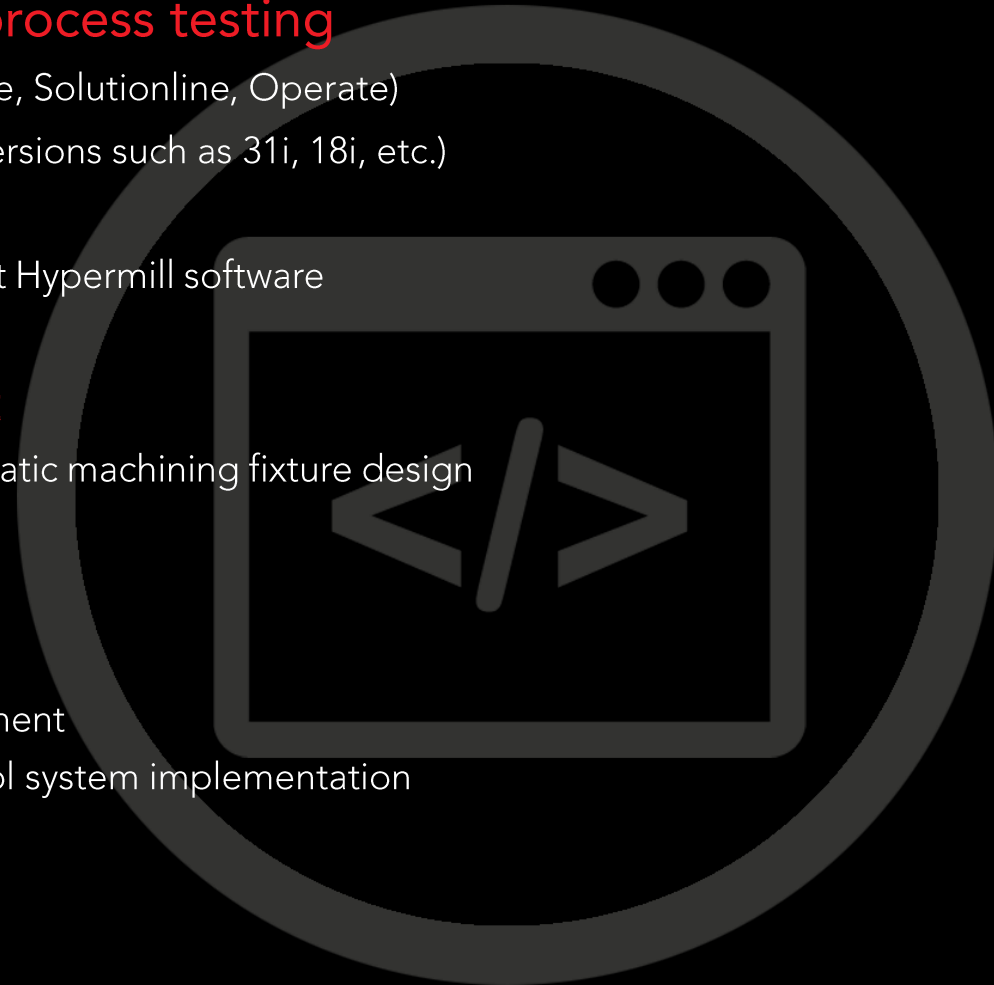
- For Siemens controllers (Powerline, Solutionline, Operate)
- For Fanuc controllers (common versions such as 31i, 18i, etc.)
- For Brother controllers
- CAM programming with the latest Hypermill software

## Design and development

- Mechanical, hydraulic and pneumatic machining fixture design
- Gauge design

## Sourcing Services

- Supplier evaluation and development
- Quality control and Quality control system implementation



# client base portfolio



**SPANK**

**GROB**

**FSA**  
FULL SPEED AHEAD

**WEMA VOGTLAND**  
GLOBAL RETOOL GROUP



**chiron**

**KYMCO**

**MBL**

**FOX**

**SUPERNOVA**

**DMG MORI**

**SAMAG**  
MACHINE TOOLS

**TREK**

# about: squaredone gmbh

The mission of Squaredone GmbH is to provide sustainable and economical solutions to clients in the metal cutting industry.

2013 ● Squaredone GmbH was founded by Matthias Hodel - Company HQ in Härkingen, with a representative office in Taichung, Taiwan

Previous working experience of Matthias Hodel:

2012 ● Working for DMGMORI Taiwan in different industries; automotive to general machining

2006 ● Moving to China to work on turnkey projects for DMGMORI (Deckel Maho Pfronten) finding the best of investment, productivity and quality for the customer

2005 ● Starting to work for DMGMORI in Taiwan

2003 ● In search for adventure, Matthias moved to Taiwan to work for SRAM and heading up their CNC department at one of the factories



# contact: how to get in touch

## Switzerland Headquarter

Squaredone GmbH  
Usserdorf 1  
4624 Härkingen  
Switzerland

## Taiwan Representative Office

Squaredone GmbH  
No. 498 Taiwan Blvd., Sec. 2, 25F-7  
Taichung, 403  
Taiwan

Email: [matthias@squaredone.com](mailto:matthias@squaredone.com)

[www.squaredone.com](http://www.squaredone.com)

Mobile TW: +886988675001

Mobile CH: +41793113637

Company registration number:  
Company VAT (MwSt):

CH241.4.011.737-3  
CHE-460.418.173 MWST







squaredone

[www.squaredone.com](http://www.squaredone.com)