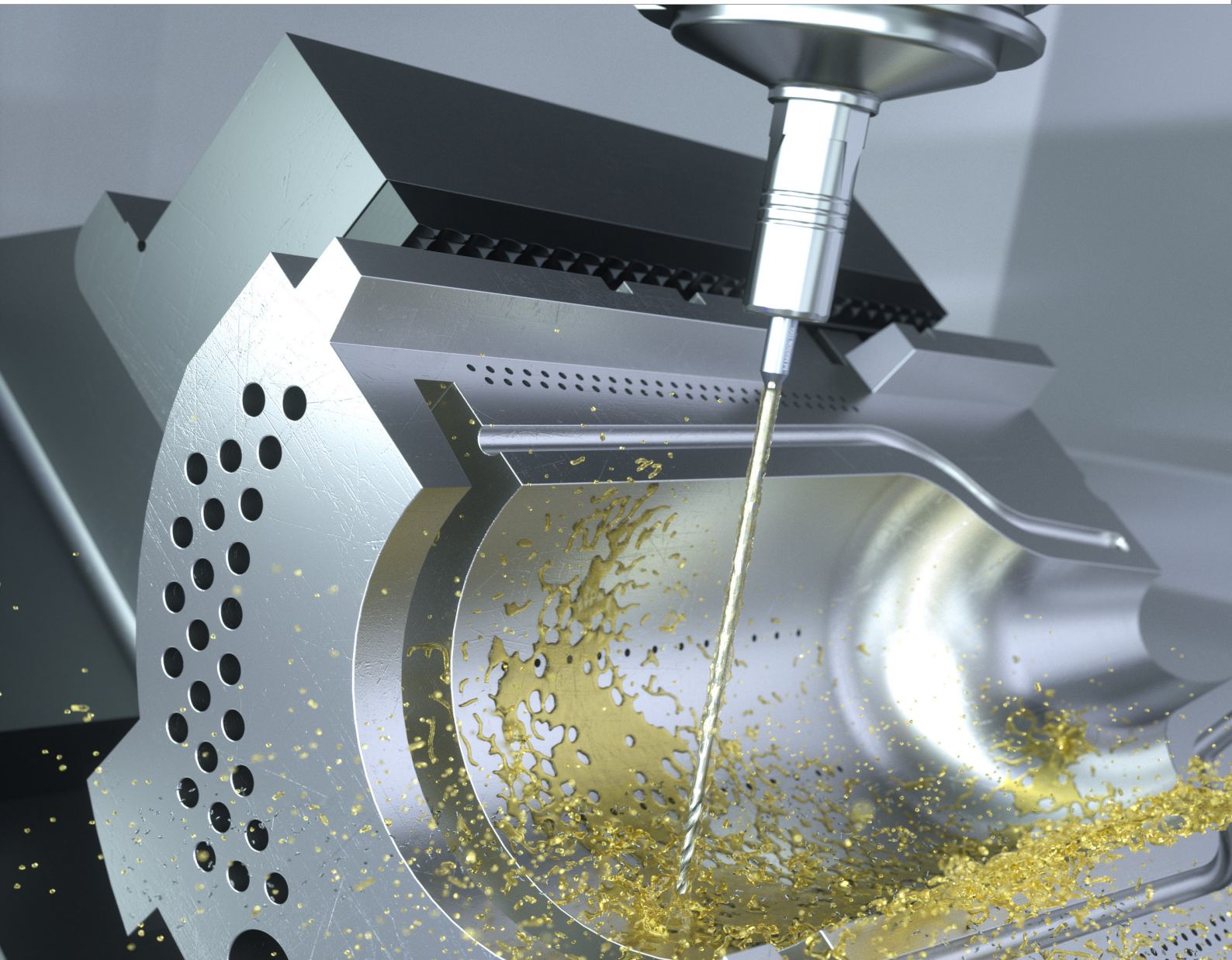


Mould machining: how to reduce time & costs?

REAL CUSTOMER CASE



BENEFITS

GLASS FROM MOULD MACHINING

Material: ferrous / non ferrous metals

Initial cycle time: 300 min

Optimized cycle time: 31 min

Saving: 269 min / part

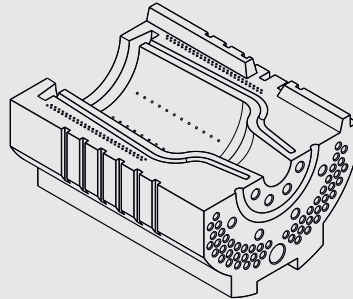
- 10 times faster
- No special machine

Real customer case

GLASS FORM MOULD PART

Initial situation:

Material: CuAl11Fe4Ni4
 Micro erosion: 100 holes
 Machining time: 300min



Target: increase productivity

Example of 100 holes

CRAZYDRILL™
 by Mikron Tool
 Flex

CRAZYDRILL FLEX STEEL



$d = 0.5 \text{ mm}$
 $l = 15 \text{ mm}$
 Drilling depth = $30 \times d$
 $v_c = 20 - 40 \text{ m/min}$
 $Q_1 = 2,5 \times d l$
 $Q_x = 0,5 \times d l$

TRIBOS Mini



- Run out and repeated accuracy of $< 3 \mu\text{m}$
- Balancing grade of G2.5 at 25.000 rpm
- Excellent vibration damping

Result with optimized machining:

Machining time: ~ 31 min

Saving: 269 min / part

ADVANTAGES

Crazy cutting tools and clamping solutions for small deep hole drilling:

- Excellent vibration damping
- High rotational speed thanks symmetrical design
- High clamping forces and modularity

What can we do for your application?

Feel free to contact us!

YOUR CONTACT

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