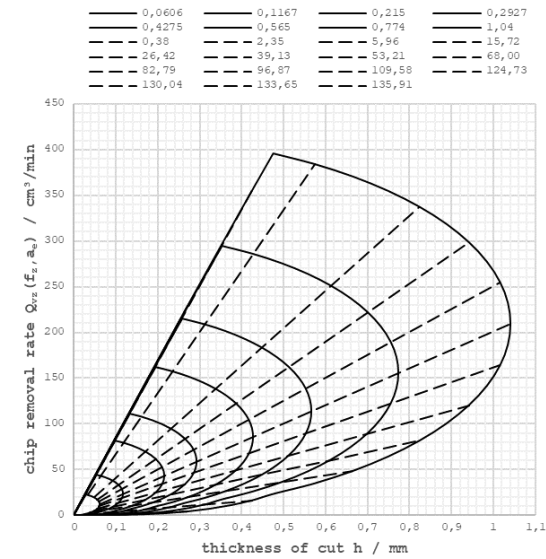
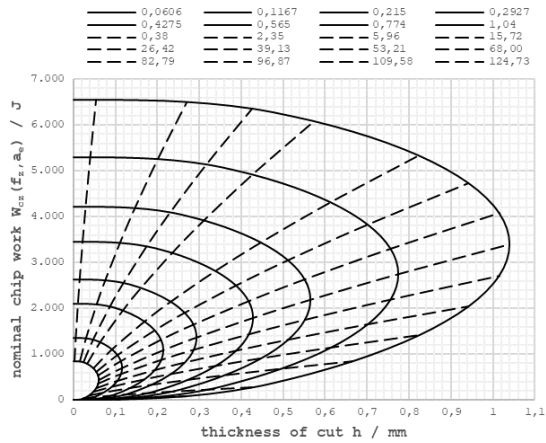
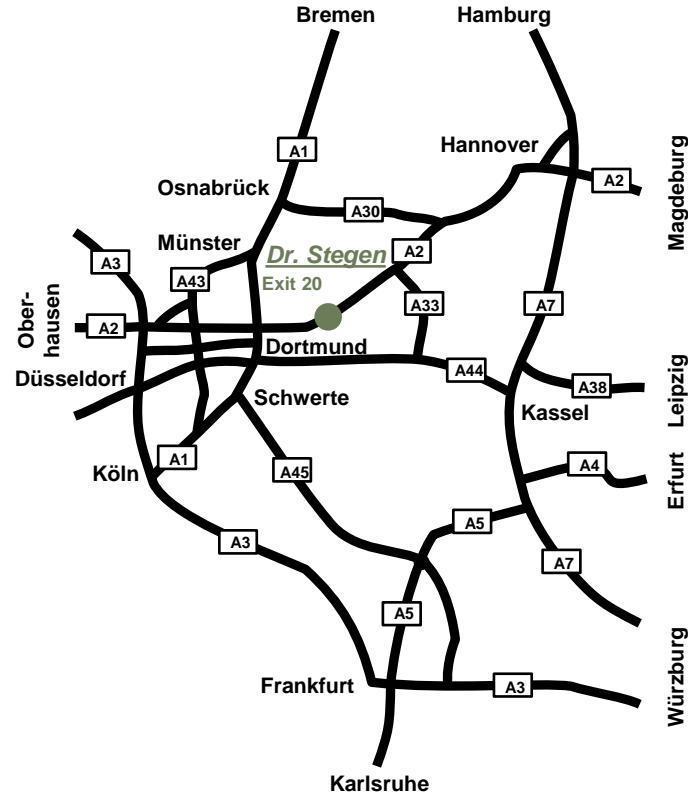


Milling Diagrams



Headquarters



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Dr Eng. Axel Stegen

Engineering Consultants for Operation & Development of Machine Tools

- Development
- Design
- Operation

Graf - Galen - Straße 104
D-59269 Beckum - Neubeckum

P.O. Box 2218 D-59255 Beckum

Owner

AXEL STEGEN was educated as locksmith in industry and after that he has studied machine tools at DRESDEN UNIVERSITY OF TECHNOLOGY. The owner has worked out his graduate thesis in cutting theory.

Fields of experiences:

- Machine Tools
- Aerospace Industry
- Vehicle Manufacturing

Theoretical and practical knowledge of the following cutting types:

- Turning, Drilling / gun drilling, Milling

Experiences of the difficult to cut materials:

- Steel (e.g. chromium-manganese)
- Nickel alloys (e.g. Inconel 718)
- Titanium alloys (e.g. titanium aluminide)

Mr. Stegen has extensive experience in the optical measurement of machine tools by laser-interferometer, in the lapse-case analysis and analysis of foundation and anchoring of machine tools - collected in cooperation with leading companies.

The owner has contact to leading schools of technology continuously, so that the industrial and scientific progress is ensured.

The owner's self-concept is characterised by *independence, quality and discretion*.

Engineering Performance

DR STEGEN consults organisations in the field of *machine tools* and *cutting technology* in technological and economical questions.

In this field the development of digital models for efficient solutions of the job definition are indispensable.

DR STEGEN'S main focus are the calculation of cutting parameters, which are best fitted to special applications, so that the customer will obtain a famous advantage of the contest.

DR STEGEN is working in the field of standardisation, specifically of machine tools and cutting tools, and will support with his knowledge.

The owner analyses tool motions and describes the kinematics analytical.

DR STEGEN dimensions machine parts of machine tools and supports organisations in machine designs and the technical documentation.

DR STEGEN worked out theoretical creations in the field of cutting research or worked out interpretations of results of experiments.

The creation is presented by the customer in electronically and pressed way.

The calculation of the engineering service occurs in support of the HOAI.

Equipment

Computer

Processor:	Intel® Core™ i7 - 2720QM
Pulse frequency:	2,2 GHz
RAM:	16 GB
Operating system:	Microsoft Windows 10 (64-Bit)
Graphic board:	NVIDIA® QUADRO® 2000M
Screen:	22" flat screen

Programmes

Data processing:	Microsoft Office 2019
Calculation:	Excel and Mathematica
Design:	SolidWorks professional
FE-Analysis:	after customer request
Database:	Cutdata™
Organisation:	MS Project 2019

Extensive literature

- Graduate Theses
- Professional Journals
- Cutting Tool Handbooks
- Manufacturer's Catalogues
- Industrial Magazines