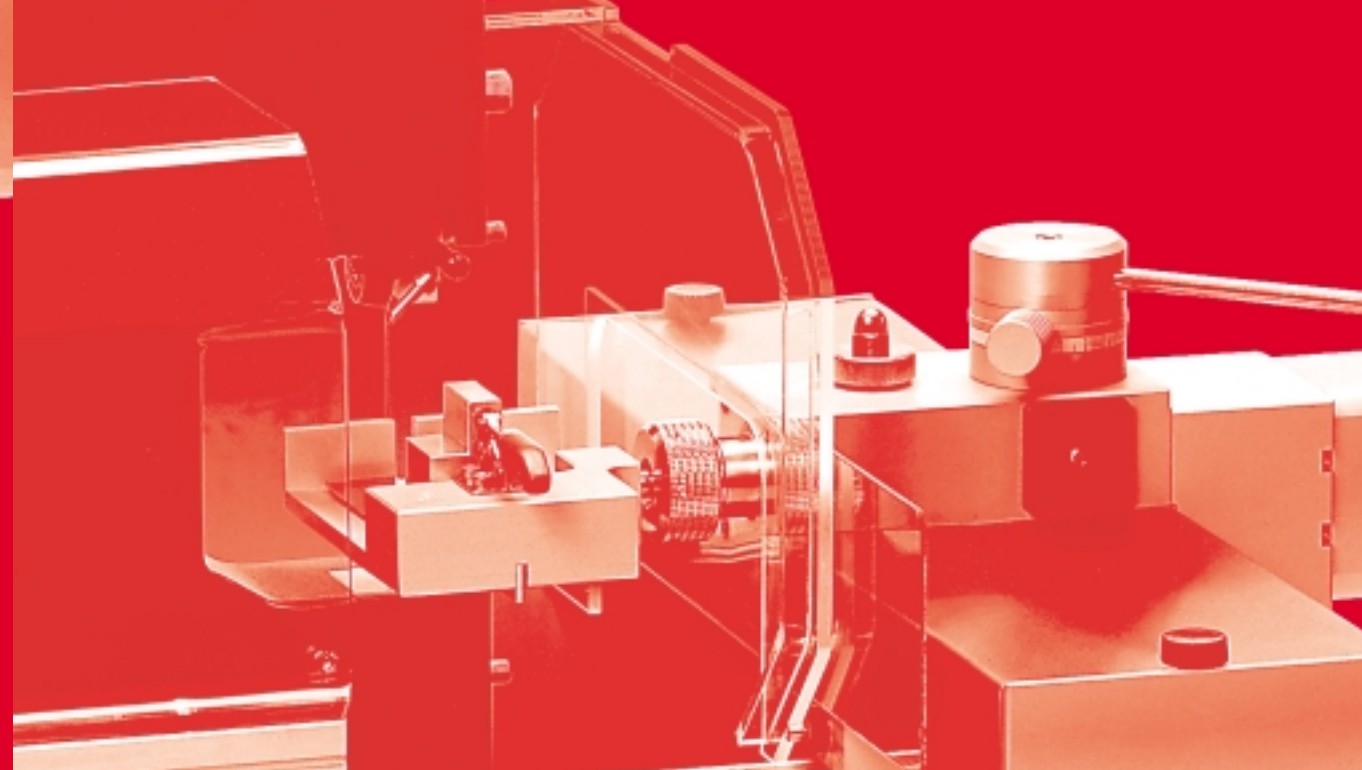


CG-PARTNER, Hamburg



EXAKT

For more than fifty years our company name has been synonymous with experience and unsurpassed quality as well as professional and reliable service.

EXAKT Precision Cutting Systems

- ➔ low costs per cut
- ➔ reliability
- ➔ professional service

Maximum cutting cross section

	L	x	W	x	H	in mm
E 300 CP	100	x	90	x	60	
E 310 CP	270	x	190	x	150	
E 311 CP	380	x	380	x	175	
E 340 CP	100	x	60	x	40	



EXAKT Diamond Precision Cutting Systems

for Materials and Material Composites which are Difficult to Separate

Now with new options for
EXAKT CP/R Profile

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EXAKT

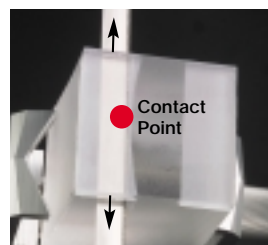
EXAKT Diamond Precision Cutting Systems

Precision is our Passion

For more than 20 years, we have been developing and producing precision cutting systems for materials and material composites which are difficult to separate. Our cutting systems are used in the following fields of application: material research and development, quality assurance, production, and medical implantation research.

What makes **EXAKT** Cutting Technology so special?

While developing our cutting systems, we always pay special attention to plane-parallelism, minimal burr formation and high surface quality of the samples/work pieces. The resulting Contact Point (CP) Technology allows minimization of the cutting forces. Today, CP technology is used worldwide in practically every EXAKT cutting system. With CP technology, only one point of the sample is in contact with the cutting band throughout the entire active cutting process.



Advantages of the CP Technology

- good chip flow
- high surface quality
- reduced thermal load
- almost no burr formation

EXAKT 300 CP/R Profile

The EXAKT 300 CP/R Profile has been specifically adapted to meet the requirements of the sealing industry. Its ability to provide clean, plane-parallel cuts with minimum burrs provides surfaces which can be used to assess the geometry of the work pieces in quality control labs and production lines. A reversing cutting band, which changes its direction cyclically, cuts off any burrs, which might have formed.

EXAKT 340 CP
Diamond rotary system



EXAKT 310 CP
Diamond band cutting system



EXAKT 311
Diamond band cutting system



plane-parallel cut at profiled joint



angular cut at profiled joint

EXAKT 300 CP/R Profil
Diamond band cutting system



- 1 individually adjustable parallel motion saddle
- 2 flexible spray containment cabinet
- 3 rapid feed motion of the work pieces
- 4 prolonged guiding axle for wider machining surface

New Options for the **EXAKT 300 CP/R Profile**

NEW

Cryo CO₂ Cooling System

- perfect cutting precision and no burrs when cutting special polymers and their composites
- variable rate of feed
- limit stop of drive unit and coolant
- selection of different coolants (water, CO₂)
- manual and automatic CO₂ nozzle control

Cleaning the Band with CO₂ Snow

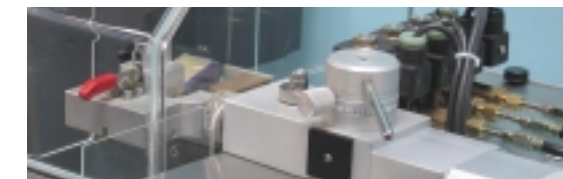
- high-quality cuts
- low cross contamination
- reduced maintenance and cleaning work

Molding Device

- to produce individually shaped fixtures (negative shape)
- to improve profile fixing in the fixturing unit
- to enable easy molding and cutting of the fixtures

Improved Fixturing Units

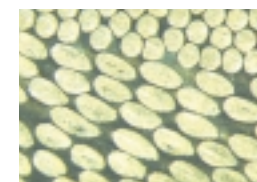
- easy to use
- advanced clamping power
- self-adjustment of the top fixture



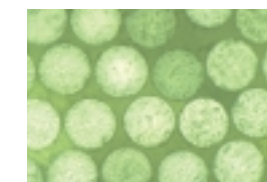
Examples of use:



SiC with carbon fibers



Motor: winding control steel core, copper winding, plastics (soft)



glued glass fiber \varnothing 40 μ m



profiled joint used in the automotive industry