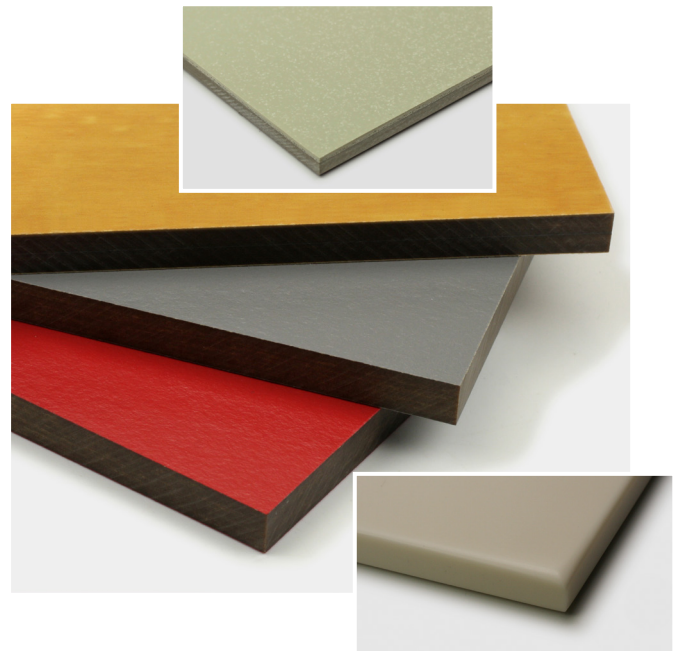
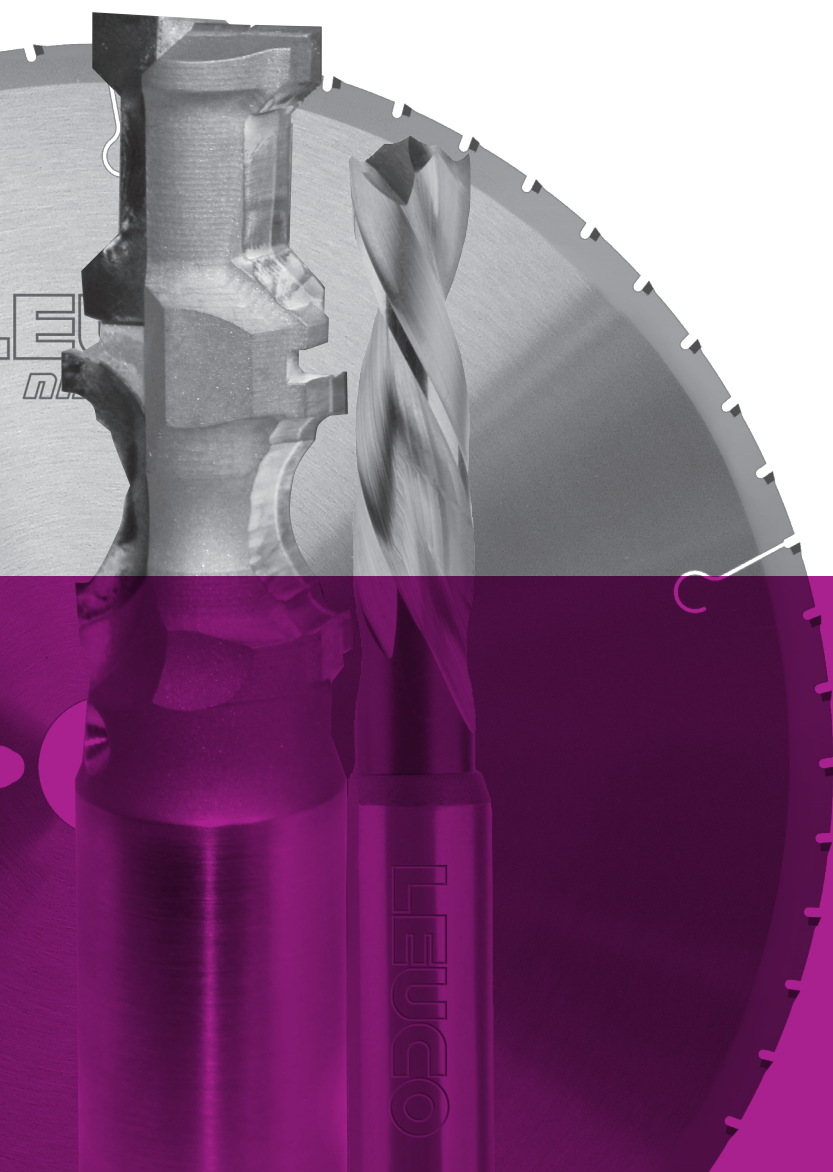


LEUCO

TOOLS FOR PROCESSING SOLID CORE- AND SOLID SURFACE MATERIALS



Cutters, drill bits and circular saw blades for CNC-machines

Whether it's acrylic resin panels, compact coatings, mineral materials or epoxy resin – the specially designed DP-tipped LEUCO tools are outstanding at processing hard, abrasive panel materials.

www.leuco.com

→ JOINTING – „FLEXIBLE“

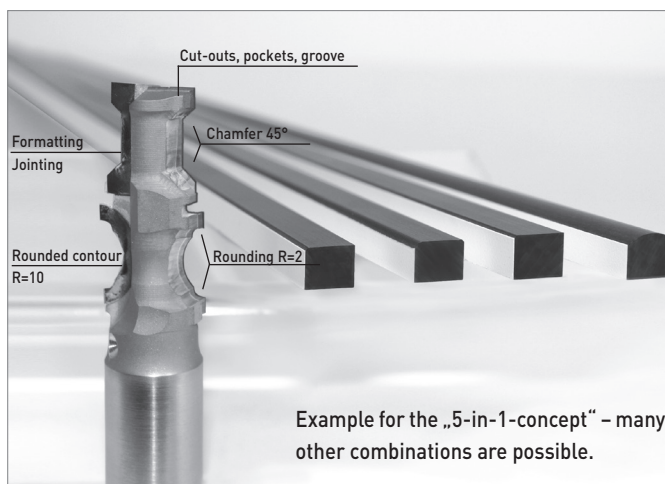
FLEXIBLE CUTTER-CONCEPT: ACCORDING TO CUSTOMER REQUIREMENT

It's perfect for anyone processing a wide mix of materials for a broad customer base, also batch-size 1, or anyone purchasing a cutter who is uncertain which edge shapes their customers will request in the future.

Example - by using 1 tool the user can:

- | Joint, mill, round, and mill rounded contours
- | Thanks to its plunge tip, the cutter can also dip, for instance for pocket milling

→ 5 functions – only 1 place on the tool changer

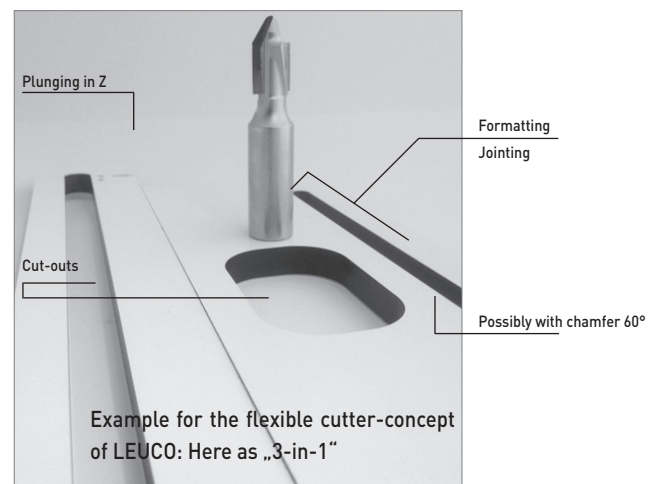


- | The diamond tips guarantee the longest available edge life with these abrasive materials
- | Not available ex stock, design according to customer requirement

Example - by using 1 tool the user can:

- | Plunging in Z-direction
- | Formatting, jointing, milling cut-outs
- | A 60° chamfer can be milled, too

→ 3 functions – 1 one place on the tool changer



INTERESTED?

→ Send a sketch of your preferred cutter with blank form to LEUCO

LEUCO RECOMMENDATION:

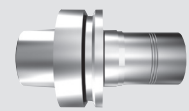
→ Chucked in a precision clamping device HSK 63 F, it is possible to create chip-free, smooth edge surfaces without grooves.



Hydro Clamping System ps-System



Heat shrink-fit chuck



Power shrink-fit chuck Tribos

	Hydro Clamping System ps-System	Heat shrink-fit chuck	Power shrink-fit chuck Tribos
Concentric accuracy	< 0,008 mm	< 0,003 mm	< 0,003 mm
Max. RPM	30.000 min-1	30.000 min-1	40.000 min-1
Recommended application area	High demand applications.	High demand applications.	High demand applications.
Handling	Very user-friendly clamping devices. Pressure introduced effortlessly with an allen wrench.	Shrinking device and possibly additional induction coils for larger tool diameter necessary.	Clamping and unclamping using a hydraulic press.
Version or accessories for use on 5-axis machines, e.g. for 3D molds.	Use on 5-axis machines always possible.	Heat-shrink chuck extensions (L to 250 mm) available, or as a long heat-shrink chuck (A=160 mm).	Very slim design. TRIBOS extensions (L=160 mm) available.
Stock availability	Available ex stock	Available ex stock	Available ex stock

→ JOINTING – „PLENTY OF THE SAME“

Perfect for specialized solid core and solid surface materials processors who work with clearly defined panel thicknesses, chamfers, or radii, also in large scale production.

Advantages

- I The diamond tips guarantee the longest available edge life with these abrasive materials
- I Chip spaces and tooth geometries ideal for these materials and very good milling quality
- I Standard program available ex stock
- I Design according to customer requirement is possible at any time

INTERESTED?

→ Latest stock program in the LEUCO Online-Catalog at www.leuco.com/products or send us a sketch of your preferred cutter.



DP tipped high-performance roughing shank-type cutter for speedy pre-sizing of workpieces in rough quality.



The already extensive range of straight edge PCD shank-type cutters with different diameters, cut lengths and cutting wings now got a further member: The Z=3 high-performance tool with a Ø12 mm diameter and 15 mm cut length for thinner panels.



Fancy a drum profile on the edge? The new PCD-radius profile cutter provides panels with up to 14 mm with a radius R = 16.

TIP: MODELLING OF SURFACES

Requirement: 5-axis machining centres

The diamond-tipped ball-nose cutter is best for cutting profile grooves, contour millings, shaft profiles on furniture parts or wall panels, and much more, for the longest service life in abrasive materials.

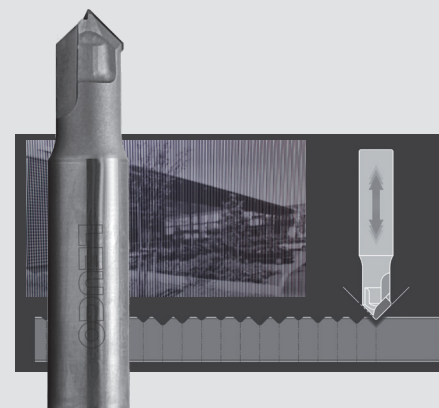
→ Cutters available ex stock with R = 10, 15 and 20 mm



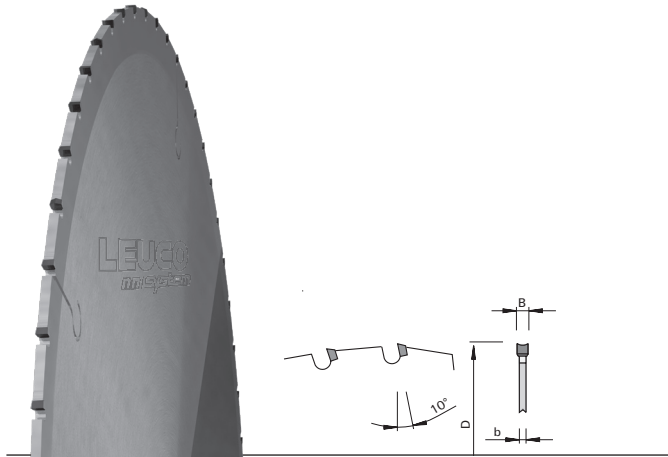
The diamond-tipped relief milling cutter has a V-groove shape.

The milling cutter is controlled by special software that adopts image information from gray-scale millings on wood materials. The effect is particularly striking when panel surfaces and middle layers are made of different materials, such as a colored surface combined with a dyed-through MDF panel.

→ Cutters available ex stock



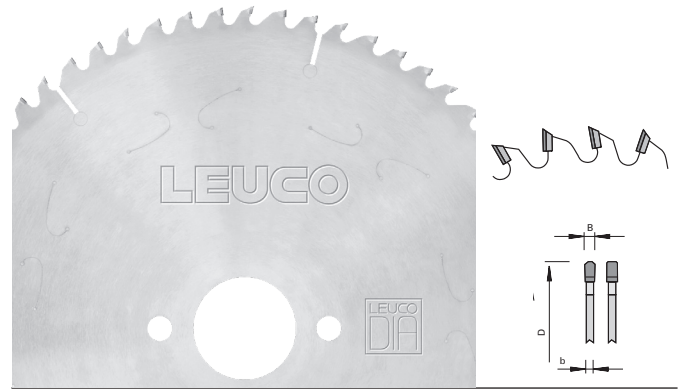
→ SAWING / SIZING CUT



„Flexible“ with the LEUCO nn-System DP flex saw blade

- | Diamond-tipped saw blade with innovative small chip spaces and hollow-back tooth geometry
- | Precise cut in abrasive solid-core materials with long service life
- | Flexible and best for conventional wood material panels, such as raw and coated particle and MDF panels, plywood panels, HDF, WPC, cement, gypsum fiberboard, alucubond and more...
- | Very quiet in operation

→ Available for CNC-machines, table saws, vertical panel sizing saws



„Plenty of the same“ with the sizing saw blade DP „TR-F-FA“

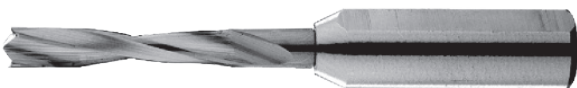
- | Diamond-tipped saw blade with asymmetric chip evacuation gap geometry
- | For sizing cuts in single sheets and stacks in materials such as GFK/CFK, fiber cement boards, resin-impregnated panel boards
- | For smooth cutting surfaces and clean entries and exits
- | Ideal for high-volume use

→ Only available for table saws and vertical panel sizing saws

INTERESTED?

Latest stock program in the LEUCO Online-Catalog at www.leuco.com/products

→ DRILLING



Mosquito dowel bits with solid carbide body

- | For chip-free drilling of dowel holes
- | Chip-free hole edges thanks to special cutting edge geometry with spurs
- | High process safety thanks to constant quality of the bores for a long time
- | Boring part made from fine-grain solid tungsten carbide



VHW high-performance dowel bits, even for through holes

- | For drilling of through holes and dowel holes from 5 -10 mm
- | Longest edge life with the best tear-free drilling quality, including on the exit side
- | Patented cutting edge geometry produces extremely low cutting pressure and therefore low heat development
- | Boring part made from fine-grain solid tungsten carbide
- This results are, a highly efficient result of thousands of perfect bores over its edge life

→ YOUR INQUIRY



Customer address

Company	Contact person	Phone	Date
Road	Postcode / City	e-Mail	

Please select the cutter type you need and complement the specific requirements. We would be delighted to create you an individual offer for your request.

Please mark and complete:

Joining/Dividing

max. heightmm

Grooving/Cut-outs

yes no

Edge processing

Chamfer above:degree

Chamfer below:degree

Flanging radius above: R=.....mm

Flanging radius below: R=.....mm

Radius: R=.....mm

Milling-volume

„Flexible use“
 „Plenty of the same“

Machine

Grid-/Nesting-table
 Consoles/suction cup
 3-Axis
 4-/5-Axis

Number of cutters

.....pieces

→ Send a sketch of your preferred cutter with filled out blank form to LEUCO:
 by Fax: +49 (0)7451/93270
 by Mail: info@leuco.com

Sketch & Notes

LEUCO

Due to the variety of machines and tasks we recommend to discuss your special application cases with a LEUCO tool representative.



www.leuco.com → Contact

Latest stock program in the LEUCO Online-Catalog:



www.leuco.com/products

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