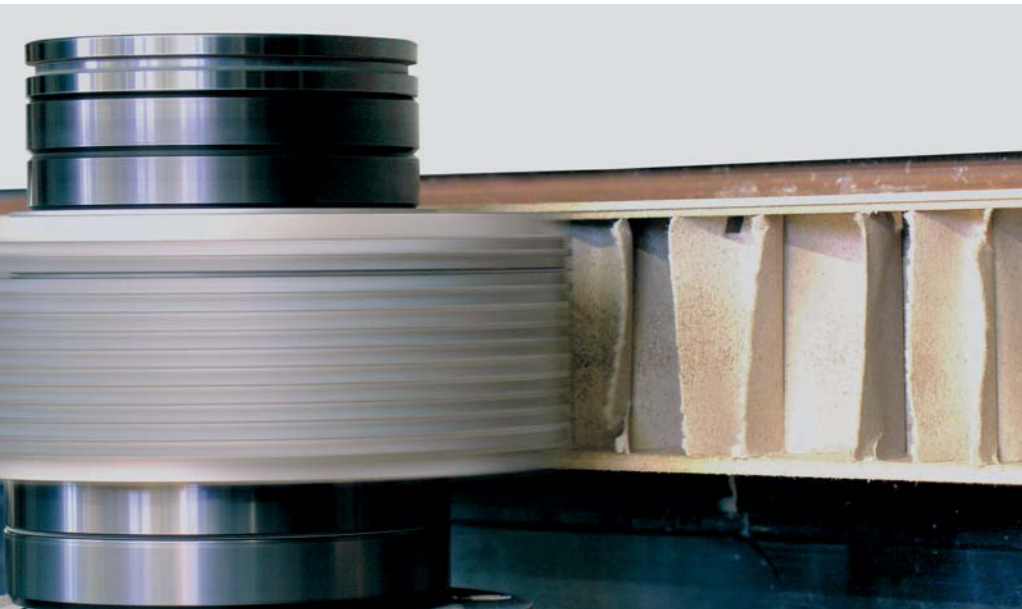




## Easy honeycomb processing

**The comprehensive tooling range  
for machining honeycomb panels**

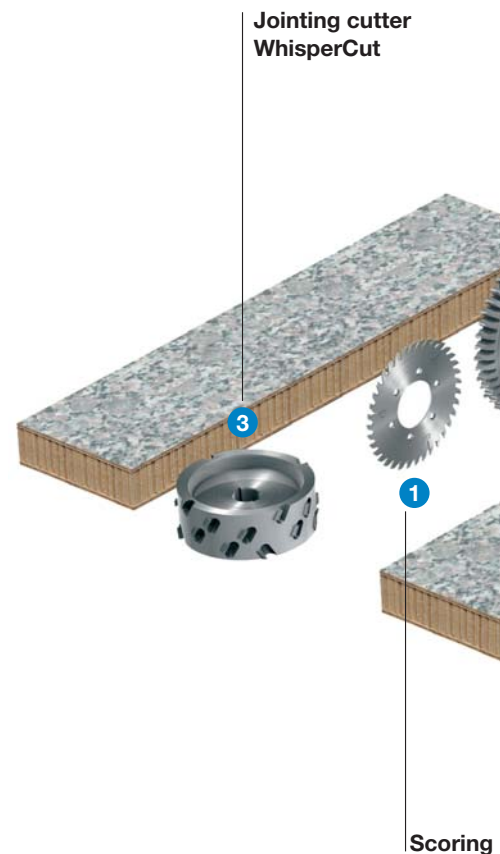
## Honeycomb panel – suitable tools for each working step



A requirement for today's wood derived materials is to reduce the net weight but with high stability. Honeycomb structures meet these objectives and are being used more frequently in furniture and interior construction. Honeycombs reduce raw material costs, increase energy efficiency in production and reduce logistics costs.

Honeycomb panel with stable surface layers and a honeycomb core are a high tech product and a material of the future. They are easier to process compared to other wood derived materials. Depending on the construction they have special requirements for tools and tooling systems.

Leitz has the expert knowledge to saw, profile, bore, hog and edge honeycombs. The cutting materials and geometries of selected Leitz tools are designed to meet the requirements for the wood derived materials processed for the surface- and honeycombs.



Jointing cutter  
WhisperCut

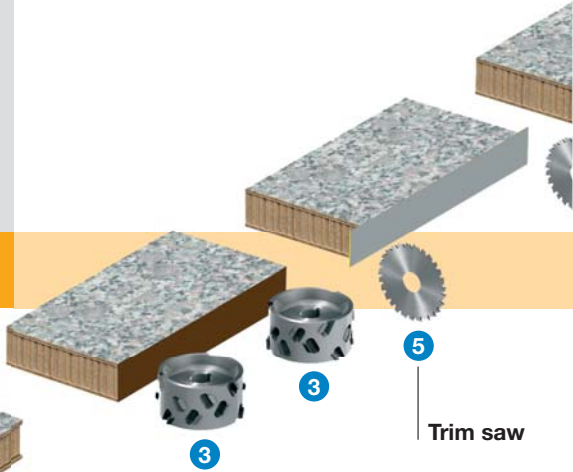
Scoring

# Perfected honeycomb processing with through feed technology



### Honeycomb cut

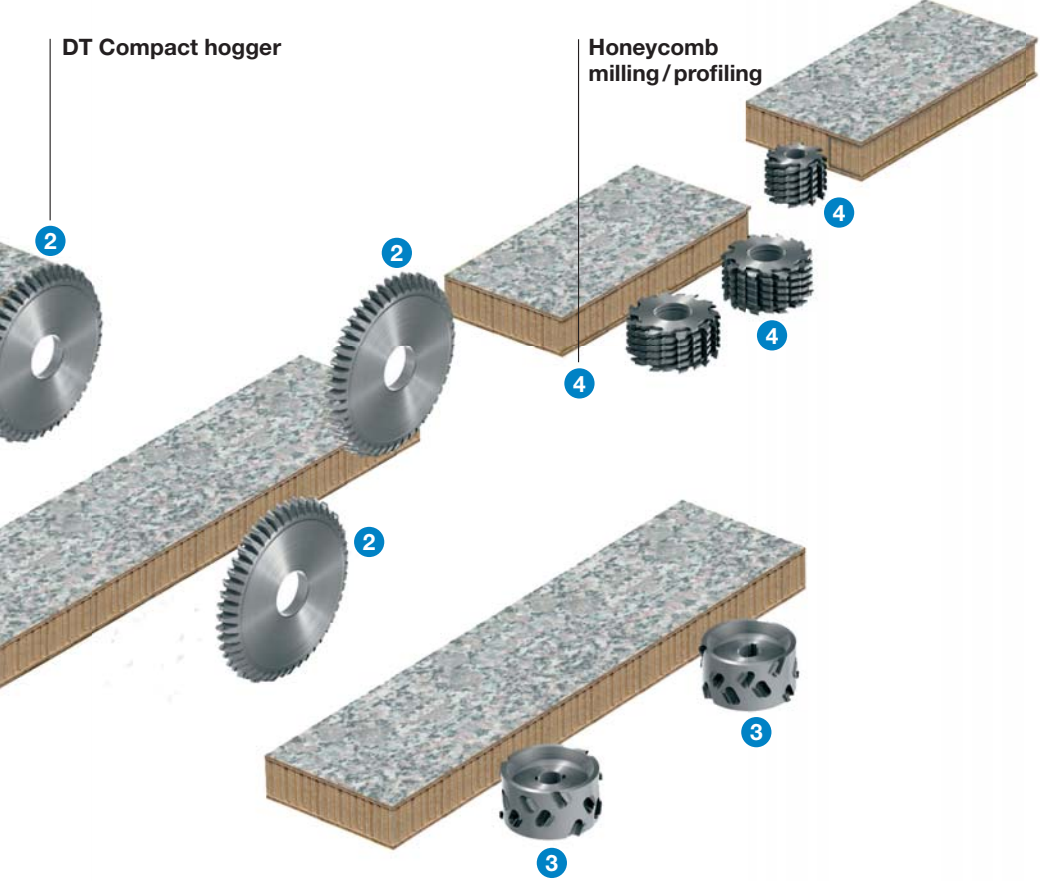
- No delamination to the honeycomb by minimum cutting width
- Noise reduced design
- Reduced sawblade resin build up on coated saw body

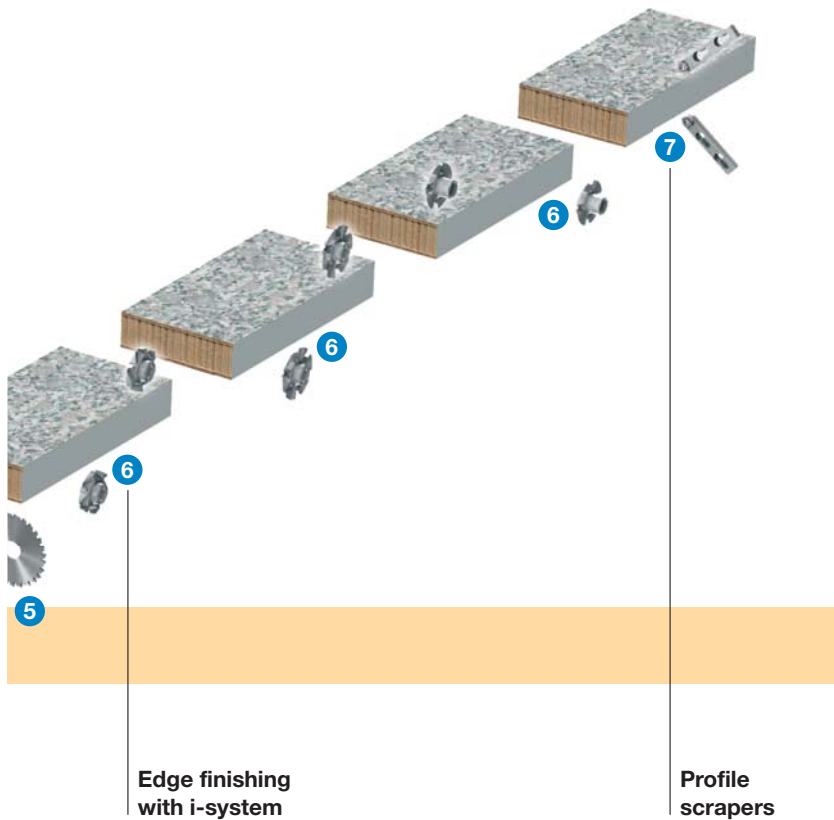


DT Compact hogger

Honeycomb milling / profiling

Trim saw





### 1 Scoring

- Tear free scoring with feed
- Scoring depth 1.5 to 2.0 mm
- High concentricity

### 2 DT Compact hogger

- Special cutting geometry for tear free edges and prevention of damaging the honeycomb
- Increased chip collection efficiency with DFC® technology
- Adjusted cutting geometry to the customer's material specification gives the most efficient solution

### 3 Jointing cutter - WhisperCut

- Unique tooling system with replaceable diamond cutting edges for maximum efficiency
- Noise reduced design for low noise processing
- Reusable Aluminium tool body to reduce weight, cost and save machines power
- Also available as a multipart tool

### 4 Honeycomb profiling/milling

- Modular construction for all panel thicknesses and glue types
- Economic solution by combining diamond and HW tools
- Optional partial or full profiling/milling of the honeycomb with/without jointing the cover layers

### 5 Trim saws

- Noise reduced design
- Special cutting geometry to avoid damage when breaking through

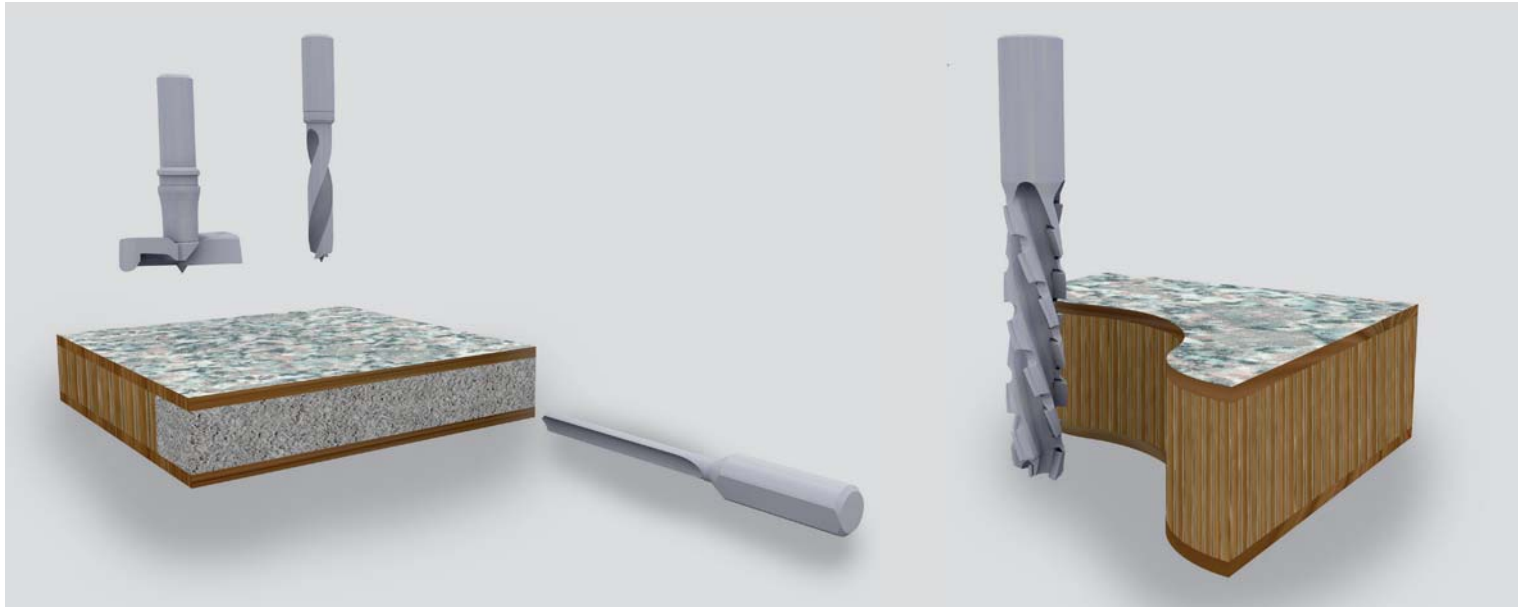
### 6 Edge finishing with i-system

- Maximum chip collection efficiency (> 95%) as tool and extraction hood operate as a single unit
- Energy saving solution as reduced extraction requirement

### 7 Leitz profile scrapers

- Optimised tool technology for high quality furniture parts
- Anti creasing design for processing any edge

# Drilling and edging



## HW-solid dowel drills

- Maximum efficiency
- High stability
- Optimised cutting geometry with shear cut for tear free holes



## Routers

- Cutting lengths for panels up to 100 mm thickness
- Optimised chip flow and a smooth cut from DFC® technology



## HW-solid hinge boring bits

- Maximum quality to the hole side wall
- Tear free edge to bore



Direct edging

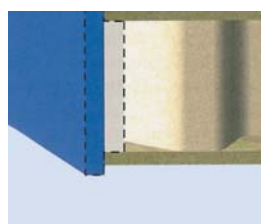


Bolt insertion technique



## HW-solid drill pins

- Long performance time
- Large resharpener area



Double Edge



Support Edge



## Leitz is your competent partner



Leitz offers partnership and market leading tool knowledge and technology offering 3 components for your success:

- Innovative tooling systems, resource saving plus enhanced quality for better production
- Bespoke, modular or comprehensive Tool Management for enhanced efficiency
- Excellent service, reliable, near to customers all around the world

Leitz GmbH & Co. KG  
Leitzstraße 2  
73447 Oberkochen, Germany  
Postfach 1229  
73443 Oberkochen, Germany  
Tel. +49 (0) 73 64/95 00  
Fax +49 (0) 73 64/95 06 62  
leitz@leitz.org  
www.leitz.org



We shape the future