Tools for Aluminium composite panels
CNC processing

NOW AVAILABLE:
Diamaster WhisperCut
Prismatic Rebate Cutterhead
Leitz shapes Aluminium composite panels

Tool programme for CNC machining Aluminium composite panels.

Aluminium composite panels are often used in building architecture, fabrication and the vehicle industry when special requirements are placed on the stability and flexibility of the construction elements, on durability of finishes or weight reduction. The fact that the variation of panel shape, size and material properties are used, can make the processing of these materials a real challenge in many cases.

Leitz offers an optimally coordinated range of tools for the processing of Aluminium composite panels, whose versatility is particularly impressive due to its high quality and performance.

Leitz tools for Aluminium composite panels: Produce any shape and size in perfect quality!

FLEXIBILITY AND QUALITY

VHW Spiral finishing router

Superior for machining of Aluminium composites.

AT A GLANCE

- Small diameters for corner radius for perfect trimming
- Two diameters available for sizing
- Suitable for all standard machines
- Available ex stock

YOUR BENEFITS

- Applicable for nearly all Aluminium composite panels
- High cutting quality
- Proven cutting technology

PRODUCTIVITY AND SUSTAINABILITY

Diamaster PRO router

The long-term choice for sizing.

AT A GLANCE

- Long lifetime
- Short machining times
- Perfect cutting results
- Reduced set-up times

YOUR BENEFITS

- Suitable for all standard machines
- Available ex stock
- Diamond-tipped

Aluminium composite panels are often used in building architecture, fabrication and the vehicle industry when special requirements are placed on the stability and flexibility of the construction elements, on durability of finishes or weight reduction. The fact that the variation of panel shape, size and material properties are used, can make the processing of these materials a real challenge in many cases.

Leitz offers an optimally coordinated range of tools for the processing of Aluminium composite panels, whose versatility is particularly impressive due to its high quality and performance.
DP V-grooving cutter with shank

The tool for perfect mitred edges with 90° or 135°.

**YOUR BENEFITS**
- Long lifetime
- Proven cutting technology
- Perfect cutting results
- Resharpenable

**AT A GLANCE**
- Suitable for all standard machines
- Available ex stock
- Diamond-tipped

**SUSTAINABILITY AND EFFICIENCY**

Diamaster WhisperCut Prismatic Rebate Cutterhead

Particularly for V-grooves with 90° and 135°. Light, quiet, resharpenable.

**YOUR BENEFITS**
- Energy saving
- Significantly reduced noise
- Long lifetime
- Perfect cutting results

**AT A GLANCE**
- Resharpenable multiple times
- A variety of diameters
- Suitable for all standard machines and aggregates
- Available on short notice
- Diamond-tipped

**EFFICIENCY**

Circular sawblades in HW/DP

If an perfect finish cut quality is required.

**YOUR BENEFITS**
- Short production times
- Long lifetime
- No need for edge finishing
- Protection of the support panel

**AT A GLANCE**
- Resharpenable multiple times
- A variety of diameters
- Suitable for all standard aggregates
- Available on short notice
- Tungsten carbide or diamond-tipped

Ordering information for the products shown above can be found on the next page!
# Ordering information

<table>
<thead>
<tr>
<th>Description</th>
<th>Application</th>
<th>Cutting material</th>
<th>Dimensions</th>
<th>Standard values for cutting value parameters</th>
<th>Ordering ID</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHW single knife cutter</td>
<td>Sizing, Grooving</td>
<td>HW</td>
<td>D3/NL10/S6/GL58/Z1/RL</td>
<td>n = 24 000 min⁻¹, vₐ = 2-3 m/min</td>
<td>240540</td>
<td>●</td>
</tr>
<tr>
<td>VHW single knife cutter</td>
<td>Sizing, Grooving, Boring</td>
<td>HW</td>
<td>D6/NL20/S6/GL58/Z1/RL</td>
<td>n = 24 000 min⁻¹, vₐ = 5-6 m/min</td>
<td>240541</td>
<td>●</td>
</tr>
<tr>
<td>DP V-grooving cutter with shank for Aluminium composite panels</td>
<td>V-groove 135°</td>
<td>DP</td>
<td>D20/d2/NL3.7/S16/GL75/Z1/RL</td>
<td>n = 24 000 min⁻¹, vₐ = 5-6 m/min</td>
<td>191106</td>
<td>●</td>
</tr>
<tr>
<td>DP V-grooving cutter with shank for Aluminium composite panels</td>
<td>V-groove 90°</td>
<td>DP</td>
<td>D17.8/NL7.4/S16/GL75/Z1/RL</td>
<td>n = 24 000 min⁻¹, vₐ = 6-8 m/min</td>
<td>191100</td>
<td>●</td>
</tr>
<tr>
<td>Diamaster PRO router</td>
<td>Sizing, Grooving</td>
<td>DP</td>
<td>D8/NL10/S8x35/GL55/Z1/RL</td>
<td>n = 24 000 min⁻¹, vₐ = 8-10 m/min</td>
<td>191107</td>
<td>●</td>
</tr>
<tr>
<td>Diamaster WhisperCut Prismatic Rebate Cutterhead</td>
<td>V-groove 90°</td>
<td>DP</td>
<td>D180/SB20/BO30/Z6x2</td>
<td>n = 8 000 min⁻¹, vₐ = 12-16 m/min</td>
<td>100240441</td>
<td>□</td>
</tr>
<tr>
<td>Circular sawblade Excellent</td>
<td>Splitting, Sizing</td>
<td>DP</td>
<td>D125/SB3.2/BO35/Z30/ZF FZFA/FZFA</td>
<td>n = 10 000 min⁻¹, vₐ = 18-20 m/min</td>
<td>156019311</td>
<td>□</td>
</tr>
<tr>
<td>Circular sawblade Excellent</td>
<td>Splitting, Sizing</td>
<td>DP</td>
<td>D200/SB3.2/BO30/Z48/ZF FZFA/FZFA</td>
<td>n = 6 000 min⁻¹, vₐ = 20-30 m/min</td>
<td>156019492</td>
<td>□</td>
</tr>
</tbody>
</table>

● = available ex stock

□ = available on short notice

BO = bore diameter
d = diameter
D = cutting circle diameter
DP = polycrystalline diamond (PCD)
GL = total length
HW = tungsten carbide (TCT)
n = RPM (revolutions per minute)
NL = cutting length

RD = right-hand twist
RL = right-hand rotation
S = shank dimension
SB = cutting width
TDI = thickness of tool
vₐ = feed speed
Z = number of teeth
ZF = tooth shape (cutting edge shape)