



# Tools for Aluminium composite panels

CNC processing



**NOW AVAILABLE:**

**Diamaster WhisperCut  
Prismatic Rebate Cutterhead**

# Leitz shapes Aluminium composite panels

Tool programme for CNC processing of 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 construction elements, on the durability of finishes or on weight reduction. The fact that panels of the most varied shapes, sizes and material properties are used, makes 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.



## FLEXIBILITY AND QUALITY

### VHW Spiral finishing router

Superior for machining Aluminium composites.

#### YOUR BENEFITS

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

#### AT A GLANCE

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



## PRODUCTIVITY AND SUSTAINABILITY

### Diamaster PRO router

The long-term choice for sizing.

#### YOUR BENEFITS

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

#### AT A GLANCE

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

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



NEW



QUALITY AND EFFICIENCY

DP V-grooving cutter with shank

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



SUSTAINABILITY AND EFFICIENCY

Diamaster WhisperCut Prismatic Rebate Cutterhead

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



EFFICIENCY

Circular sawblades in HW/DP

If perfect finish cut quality is required.

YOUR BENEFITS

- Long lifetime
- Proven cutting technology
- Perfect cutting results
- Resharpenable

YOUR BENEFITS

- Energy saving
- Significantly less noise
- Long lifetime
- Perfect cutting results

YOUR BENEFITS

- Short production times
- Long lifetime
- No need of edge finishing
- Protection of the support panel

AT A GLANCE

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

AT A GLANCE

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

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

Description	Application	Cutting material	Dimensions	Parameters	Ordering ID	Availability
VHW single knife cutter	Sizing Grooving Inner corner radius 1,5 mm Boring	HW	D3/NL10/S6/GL58/Z1/RD/RL	$v_c = 3-6 \text{ m/s}$ $f_z = 0,02-0,15 \text{ mm}$	240540	●
VHW single knife cutter	Sizing Grooving Boring	HW	D6/NL20/S6/GL58/Z1/RD/RL	$v_c = 6-10 \text{ m/s}$ $f_z = 0,02-0,18 \text{ mm}$	240541	●
DP V-grooving cutter with shank for Aluminium composite panels	V-groove 135°	DP	D20/d2/NL3,7/S16/GL75/Z1/RL	$v_c = 15-25 \text{ m/s}$ $f_z = 0,04-0,25 \text{ mm}$	191106	●
DP V-grooving cutter with shank for Aluminium composite panels	V-groove 90°	DP	D17,8/NL7,4/S16/GL75/Z1/RL	$v_c = 15-25 \text{ m/s}$ $f_z = 0,05-0,25 \text{ mm}$	191100	●
Diamaster PRO router	Sizing Grooving	DP	D8/NL10/S8x35/GL55/Z1/RL	$v_c = 15-25 \text{ m/s}$ $f_z = 0,03-0,4 \text{ mm}$	191107	●
Diamaster WhisperCut Prismatic Rebate Cutterhead	V-groove 90°	DP	D180/SB20/BO30/Z6/Z6x2	$v_c = 60-80 \text{ m/s}$ $f_z = 0,2-0,4 \text{ mm}$	100240441	□
Circular sawblade Excellent	Splitting Sizing	DP	D125/SB3,2/TDI2,2/BO35/Z30/ ZF FZFA/FZFA	$v_c = 60-80 \text{ m/s}$ $f_z = 0,02-0,04 \text{ mm}$	156019311	□
Circular sawblade Excellent	Splitting Sizing	DP	D200/SB3,2/TDI2,2/BO30/Z48/ ZF FZFA/FZFA	$v_c = 60-80 \text{ m/s}$ $f_z = 0,02-0,04 \text{ mm}$	156019492	□

● = available ex stock

□ = available on short notice

BO = bore diameter

d = diameter

D = cutting circle diameter

DP = polycrystalline diamond (PCD)

$f_z$  = tooth feed

GL = total length

HW = tungsten carbide (TCT)

NL = cutting length

RD = right-hand twist

RL = right-hand rotation

S = shank dimension

SB = cutting width

TDI = thickness of tool

$v_c$  = cutting speed

Z = number of teeth

ZF = tooth shape (cutting edge shape)

