CleanCut CC

With the DATRON CleanCut System, chips can be removed very efficiently. Nearly chip-free working is possible thanks to this suctioning technology developed especially for plate machining. Time-consuming machine cleaning is no longer necessary.

Due to non-contact removal of chips, CleanCut suctioning is also suitable for highly sensitive surfaces. The automatic extension/retraction of the suction head also saves time.

Tool measurement and 3D measurement can be performed without any restrictions. If the suction funnel disturbs during machining, it can remain fixed in the retracted position or be dismantled. With the optionally available four-nozzle cooling lubrication head, you can remove chips and effectively cool the machining tool at the same time. This combination of suction and minimum quantity cooling leaves almost no residue.

Note:
The portal passage is reduced by CleanCut from 200 mm to 160 mm. CleanCut must be operated with suitable minimum lubrication.

Properties:
- Program-controlled extension/retraction
- Distance to the surface can be precisely set
- Non-contact suction
- Compatible with tool changing station and precision sensor
- Automatic swinging in and out with parking function
- Can be used for spindles with HSK-E 25 insert
- Minimum quantity lubrication is necessary

Scope of delivery:
- CleanCut basic module and suction funnel

Options/accessories:
- CleanCut industrial vacuum cleaner with pre-separator station, (article No. 0A01177)
- CleanCut M8 hose connection, (article No. 0A01177B)
- CleanCut M8XL hose connection, (article No. 0A01177C)
- Four-nozzle lubrication system for CleanCut, (article No. 0A01106S)

Advantages:
- Chip-free machining
- Reduction of non-productive time
- Clean CNC machine

Application:
- Plate material made of Non-Ferrous Metal, Plastic, Graphite and Wood

<table>
<thead>
<tr>
<th>Technical data</th>
<th>CleanCut CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. distance to the table surface</td>
<td>96 mm</td>
</tr>
<tr>
<td>Max. distance to vacuum module clamping plate MS-VPA and sandwich vacuum plate VSP</td>
<td>40 mm</td>
</tr>
<tr>
<td>Max. distance to vacuum module clamping plate MS-VPB</td>
<td>38 mm</td>
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<tr>
<td>Max. distance to vacuum module clamping plate VacuPlate™</td>
<td>58 mm</td>
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<table>
<thead>
<tr>
<th>Order specification</th>
<th>Article number</th>
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</thead>
<tbody>
<tr>
<td>CleanCut basic module with suction funnel</td>
<td>0A01177A</td>
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DATRON suctioning SAS

Combining SAS and SAS-SH makes a variable system which makes it possible to quickly and easily convert between cool-spraying mode and suctioning. The DATRON suctioning system SAS is used in order to dispose of any accumulated chips and dust which form during sheet-metal machining.

A brush which surrounds the milling cutter keeps chips and dust in the drawing area of the suction.

SAS suctioning is suitable for spindles with direct shaft clamping.

Scope of delivery:
- Suction head
- Basic module for brush
- Brush
- Suction hose Ø 36 mm
- Cabin wall passage
- Spray nozzle holder SAS-SH

Spray nozzle holder for basic suction module SAS-SH

If spraying equipment is used, this can be fastened to the machine as an alternative to the brush head. The spray nozzle holder for the basic SAS-SH suction module makes installation work easier, since the SAS suctioning does not have to be completely dismantled when it is used.

Limitations:
It is not possible to suction chips in spray mode.

When the brush and closed 15fold tool changers are used, tool positions 1, 15 and 16 cannot be used.

Depending on the machine type, limitations in the machining area are to be expected.

<table>
<thead>
<tr>
<th>Order specification</th>
<th>Article number</th>
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<tr>
<td>SAS suctioning for spindles with direct shaft clamping, for M7/M9</td>
<td>0A01173F</td>
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<tr>
<td>Suctioning for spindles with direct shaft clamping, for ML machines</td>
<td>0A01173M</td>
</tr>
<tr>
<td>Spray nozzle holder for basic suction module SAS-SH</td>
<td>0A01175B</td>
</tr>
</tbody>
</table>

Advantages:
- Chip-free working
- No scratches due to chips
- No cleaning up later

Application:
- Graphite machining
- Plastic machining
- GRP machining
- For sheet metal machining only
- Not suitable for M7
DATRON brush HSK-E 25

The DATRON suctioning can be used to dispose of dusts and chips which accumulate during plate machining.

The brush surrounding the milling cutter prevents chips and dusts from getting out of the drawing area of the suction.

The HSK-E 25 brush is designed for M8 and M8XL-1600 machines. It can also be used on other types of machines. Limitations can also result in the travel path. As an alternative to the brush head, a microjet spray head can be attached.

Scope of delivery:
- Suction head
- Brush
- Fixture
- Blow-off device
- Extended fixture for the precision sensor
- Suction hose Ø 36 mm
- Cabin wall passage
- Submacro "Abblasen.mcr"

Properties:
- Brush for HSK-E 25 spindles
- Brush pushes itself upward during a tool change
- Automatic blowing off of chips via submacro

Advantages:
- Chip-free working
- No scratches due to chips
- No cleaning up later

Application:
- Plastic machining
- GRP machining
- For sheet metal machining only
- (Graphite machining)
- Not suitable for M7

Order specification
- Suctioning with HSK-E 25 spindle suction connection
- Article number: 0A01173L
Chip conveyor M10-NL

The robust and durable design of the DATRON chip conveyor, made of anodised Aluminium extrusions, allows dry and slightly moist chips to be transported out of the machine. In addition, chips can be conveyed up to 60° upward and are conducted directly away into a container.

Properties:
- Programmable drive with constant or cyclical belt movement
- Continuous adjustment of the belt bend between 0 and 60°

Scope of delivery:
- Chip conveyor with cycle switching device

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Chip conveyor M10-NL</th>
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<tbody>
<tr>
<td>Flat belt length L1</td>
<td>1,250 mm</td>
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<tr>
<td>Inclined belt length L2</td>
<td>1,000 mm</td>
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<tr>
<td>Nominal belt width</td>
<td>450 mm</td>
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<tr>
<td>Max. conveying height up to top edge of the chip container</td>
<td>650 mm</td>
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<tr>
<td>Running cover</td>
<td>Polyester</td>
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<tr>
<td>Supply/power</td>
<td>400 V; 0.18 kW</td>
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</table>

Advantages:
- Automatic removal of chips from the machine
- High working safety

Application:
- Suitable for M10 machine

Order specification | Article number |
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<tr>
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<tbody>
<tr>
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