
VASKON

Automation – Special machine manufacturing

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Flying saw - Sägemaschine for cutting thermoplastic sheet material (after extrusion) zum Sägen extrudierter thermoplastischen Platten



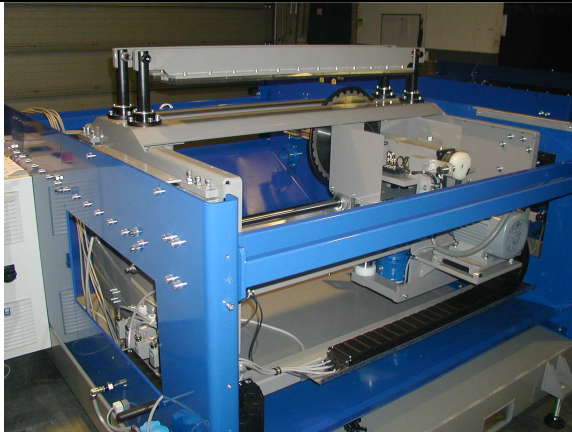
The flying saw is used to cut extruded plastic sheets to standard length, immediately after the extruder.
The extruder sends encoder signals (which are used to calculate cutting length).



General view of the machine



Operating panel



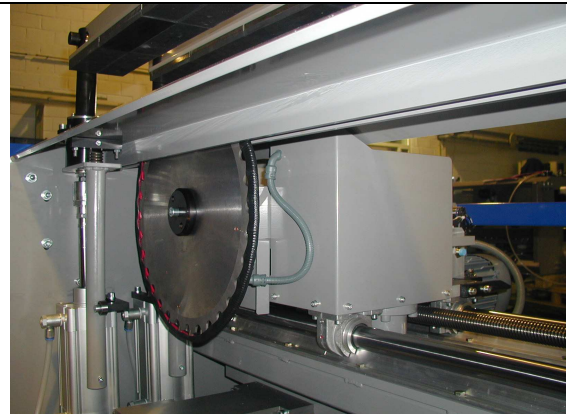
The inner frame (grey) is clamped on the extruded sheet, and moves inside the outer frame (blue) at extrusion speed.



After each horizontal stroke, the circular saw moves up slightly (= vertical feeding stroke) until the full sheet thickness has been cut



Chip collection bin & dust extraction (chip removal)



Horizontal stroke of the saw

Technical specifications:

| | |
|--|---|
| General connection | 3x400V - 5.5kW + compressed air (6 bar) |
| Maximum cutting width | 620mm |
| Maximum cutting thickness | 120mm |
| Power of the sawing motor | 3kW@2800 rpm |
| Horizontal stroke (electric motor) | 1,5 kW@1500 rpm |
| Vertical stroke (electric motor + trapezoidal spindle) | 0,37 kW@1500 rpm |

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