

CONTROL

EVOLUTION

STANDARD

COMPACT

■ STRIEBIG ■



# PLASTIC PANELS

Cut with precision  
using vertical sawing technology.

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# Cut plastic panels with precision, optimally using vertical sawing technology

## Confidence, ability, continuity

We are the only machine manufacturer in the world that has concentrated all efforts since the founding of the company exclusively on the technology it invented: for us, vertical sawing technology is both a passion and a mission. We create sustainable values - with all our experience, with a high degree of compassion in our development team and extensive knowledge of the your daily requirements: The STRIEBIG, synonym for vertical panel saws.



Built corporate identity. The facade of the corporate headquarters in Littau near Lucerne features vertical aluminium plaster strips that form an excellent point of reference with our products and market partners.

## For your safety

The Striebig vertical panel saw enables you to cut all types of plastic panels highly efficiently and accurately. We can offer even greater assurance when choosing the ideal saw for your requirements: to identify the optimum equipment for your purposes together, we will gladly make trial cuts using your specific materials on request.



The SWISS LABEL emphasises origin and quality awareness of goods and services of Swiss origin. STRIEBIG AG is entitled to the use of this trademark.

Our title picture shows: keep on course – the solar catamaran „Alstersonne“ is equipped with solar modules made from Plexiglas®. With their low weight, weathering resistance and formability they are particularly well suited for application in overhead areas.

## Material diversity requires product diversity

The diversity of commercially available panel materials and panel types requires customised sawing solutions precisely designed to meet the properties of the material.

The following matrix provides you with some recommendations. In order to identify the ideal STRIEBIG for you, we will gladly perform trial cuts for your specific requirements.

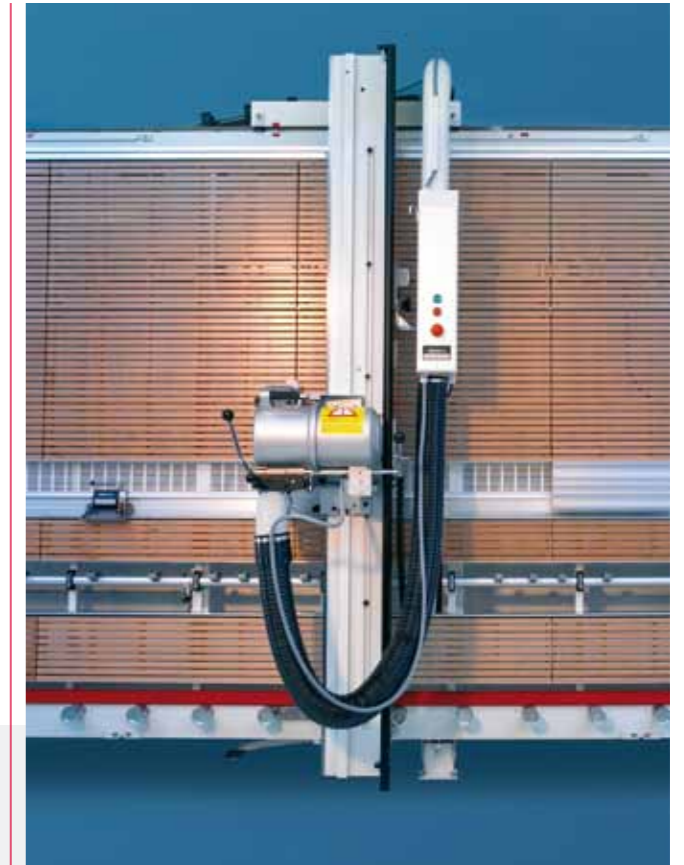


Type of material	Material thickness in mm	Two-speed motor required	Full-surface support wall recommended	Feed speed 10-25 m/min (COMPACT and STANDARD TRK1/2 manual)	Feed speed 5-25 m/min (COMPACT and STANDARD TRK1/2 manual)	Product recommendation					
						COMPACT	COMPACT AV	STANDARD TRK1	STANDARD TRK2	EVOLUTION	CONTROL
Polyethylene (PE) Polypropylene (PP)	≤ 8	✓	✓	✓				✓	✓	✓	✓
	10-20	✓		✓				✓	✓	✓	✓
	≥ 20	✓			✓			✓	✓	✓	✓
Polyamide (PA) Polyvinyl chloride (PVC) Perspex (PMMA) Thermoset materials (Resitex, Pertinax, etc.) Corian, Varicor, Noblan	≤ 8		✓	✓		✓	✓	✓	✓	✓	✓
	10-20			✓		✓	✓	✓	✓	✓	✓
	≥ 20				✓			✓	✓	✓	✓

**Important:** automatic feed is recommended for material thickness greater 20 mm.

**In general:** the automatic feed improves the cutting quality and ensures increased service life of the saw blade. It minimises the effort required to operate the machine and thus reduces the amount of physical labour for the user.

A full-surface support wall on the vertical panel saw is recommended for thin or soft plastic materials. Only then can the sensitive material be cut to size perfectly. This equipment is standard for as many as three saws from Striebig – CONTROL, EVOLUTION and STANDARD TRK1.



## Saw blades for plastic panels

**Hollow face tooth**  
Suitable for e.g.  
Plastomere (PA, PE, PP, PMMA, etc.)



**Flat/triple chip tooth**  
Suitable for e.g.  
Thermoset materials (Resitex, Pertinax, etc.)  
Plastomere (PA, PE, PP, PMMA, etc.)  
Fibre-reinforced (GRP, CFRP, AFRP, etc.)



**Alternate top bevel tooth**  
Suitable for e.g.  
Plastomere (PA, PE, PP, PMMA, etc.)  
Perspex



**Option:** (EVOLUTION/CONTROL)  
Particularly recommended when different materials are frequently cut: SSD – the saw motor with infinitely variable speed.

Thin panels can be cut when using an additional panel on the support frame ("backpanel").

# Convincing: Our saws' dimensions and data

## EVOLUTION / CONTROL

Type	Dimensions in mm					Cutting range in mm		
	L	H*	H**	D1*	D2*	L	Hvert	Hhor
6224	7161	3035	3018	1741	1361	5300	2240	2100
6216	7161	2951	2934	1700	1354	5300	2160	2016
6168	7161	2477	2460	1500	1312	5300	1680	1540
5224	6161	3035	3018	1741	1361	4300	2240	2100
5216	6161	2951	2934	1700	1354	4300	2160	2016
5168	6161	2477	2460	1500	1312	4300	1680	1540
4224	5161	3035	3018	1741	1361	3300	2240	2100
4216	5161	2951	2934	1700	1354	3300	2160	2016
4168	5161	2477	2460	1500	1312	3300	1680	1540

- Weight of the saw 1,200 kg
- Cutting depth 80 mm
- Saw motor rating 5.5 kW
- Saw blade diameter 300 mm
- Saw blade bore 30 mm\*<sup>1</sup>
- Saw blade speed 4,800 rpm
- 2 extraction connections ø 100 mm
- Compressed air connection 6-10 bar
- Wattage 7.5 kW
- Mains connection 3 x 400 V/50 Hz

H\* - CONTROL with EPS.y  
H\*\* - EVOLUTION, CONTROL without EPS.y

## STANDARD TRK1 / STANDARD TRK2

Type	Dimensions in mm				Cutting range in mm		
	L	H	D1*	D2*	L	Hvert	Hhor
6224	6430	2901	1705	1340	5300	2240	2100
6216	6430	2817	1669	1333	5300	2160	2016
6168	6430	2343	1464	1291	5300	1680	1540
5224	5430	2901	1705	1340	4300	2240	2100
5216	5430	2817	1669	1333	4300	2160	2016
5168	5430	2343	1464	1291	4300	1680	1540
4224	4430	2901	1705	1340	3300	2240	2100
4216	4430	2817	1669	1333	3300	2160	2016
4168	4430	2343	1464	1291	3300	1680	1540

- Weight of the saw TRK1 920 kg
- Weight of the saw TRK2 850 kg
- Cutting depth 80 mm
- Saw motor rating 5.5 kW
- Saw blade diameter 300 mm
- Saw blade bore 30 mm\*<sup>1</sup>
- Saw blade speed 4,750 rpm
- 2 extraction connections ø 100 mm
- Wattage 7.5 kW
- Mains connection 3 x 400 V/50 Hz

## COMPACT AV

Type	Dimensions in mm				Cutting range in mm		
	L	H	D1*	D2*	L	Hvert	Hhor
6220	6864	2980	1486	1461	5350	2200	2100
6207	6864	2838	1448	1448	5350	2070	1958
6164	6864	2400	1411	1411	5350	1644	1532
5220	6114	2980	1486	1461	4600	2200	2100
5207	6114	2838	1448	1448	4600	2070	1958
5164	6114	2400	1411	1411	4600	1644	1532
4220	4614	2980	1486	1461	3100	2200	2100
4207	4614	2838	1448	1448	3100	2070	1958
4164	4614	2400	1411	1411	3100	1644	1532

- Weight of the saw 910 kg
- Cutting depth 60 mm
- Saw motor rating 3.9 kW
- Saw blade diameter 250 mm
- Saw blade bore 30 mm\*<sup>2</sup>
- Saw blade speed 5,250 rpm
- 2 extraction connections ø 100mm
- Compressed air connection 6-10 bar
- Wattage 4.8 kW
- Mains connection 3 x 400 V/50 Hz

## COMPACT

Type	Dimensions in mm				Cutting range in mm		
	L	H	D1*	D2*	L	Hvert	Hhor
6220	6506	2980	1466	1441	5350	2200	2100
6207	6506	2838	1428	1428	5350	2070	1958
6164	6506	2400	1391	1391	5350	1644	1532
5220	5826	2980	1466	1441	4600	2200	2100
5207	5826	2838	1428	1428	4600	2070	1958
5164	5826	2400	1391	1391	4600	1644	1532
4220	4256	2980	1466	1441	3100	2200	2100
4207	4256	2838	1428	1428	3100	2070	1958
4164	4256	2400	1391	1391	3100	1644	1532

- Weight of the saw 815 kg
- Cutting depth 60 mm
- Saw motor rating 3.9 kW
- Saw blade diameter 250 mm
- Saw blade bore 30 mm\*<sup>2</sup>
- Saw blade speed 5,250 rpm
- 2 extraction connections ø 100 mm
- Wattage 4.8 kW
- Mains connection 3 x 400 V/50 Hz

D1\* - for free-standing installation  
D2\* - for wall-mounted assembly

\*1 (Saw blade bore)  
with 2 side holes Ø 9mm, radius 30 mm  
\*2 (Saw blade bore COMPACT)  
with 2 side holes Ø 7 mm, radius 21 mm

Consultation · Sales · Service



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