

# INDUSTRIAL SAWBLADES

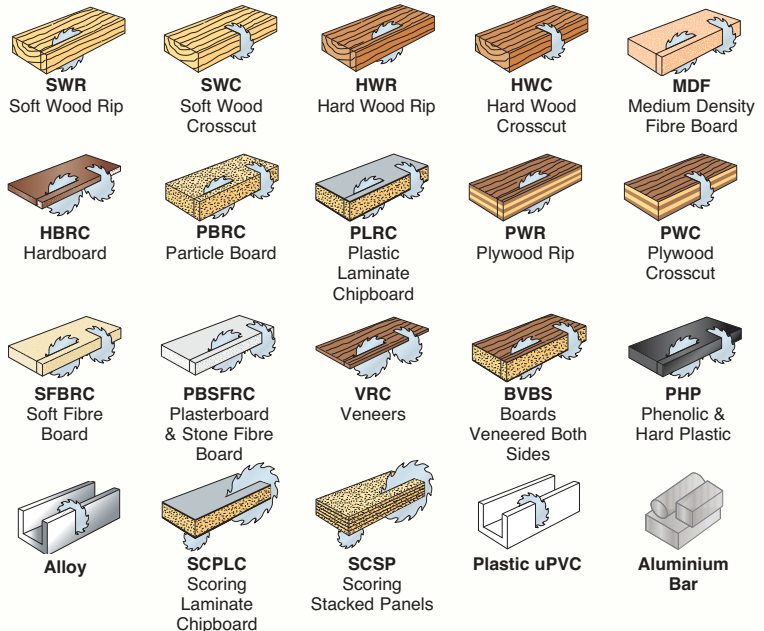
TREND'S LINE OF TUNGSTEN CARBIDE TIPPED CIRCULAR SAWBLADES MEET ALL THE REQUIREMENTS OF THE MODERN WOODWORKING INDUSTRY

## SUITABLE FOR:

- Panel sizing machines
- Multi-rip machines
- Horizontal panel sizing machines
- Table sawing machines
- Aluminium/uPVC cutting machines

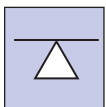
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## KEY TO SAWBLADE SYMBOLS



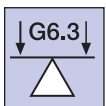
All sawblades are subjected to straightening, balancing and tensioning using a unique technology to ensure high cutting quality and longer lifetime.

## MANUFACTURING TECHNOLOGY



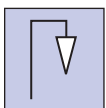
### BALANCE

Geometrical balanced shape resulting in less vibration, better cutting quality, longer lifetime and noise reduction.



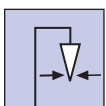
### DYNAMIC BALANCING

Unique balancing procedure according to ISO 1940 performed on special dedicated dynamic balancing machines, producing the best performance as a result of minimal vibration.



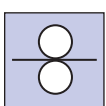
### STRAIGHTENING

Fully automatic process for straightening sawblades without hammering.



### DYNAMIC STRAIGHTNESS

Fully automated, high performance, dynamic operation for straightening the sawblade, assuring long-lasting straightness and quality cutting for the lifetime of the blade even after re-sharpening.



### TENSIONING

Mechanical procedure that affects the internal material structure of the blade to improve stiffness.

## DETERMINING CUTTING SPEED

	Material	Cutting	Cutting Speed (m/sec)	
Natural Wood	Soft Wood	along	60 - 100	
		across	60 - 100	
	Hard Wood	along	60 - 100	
		across	60 - 100	
	Veneers	along	70 - 100	
		across	70 - 100	
Boards	Plywoods		50 - 80	
	MDF		60 - 100	
	Particle Board with PVC Coating		60 - 80	
	Particle Board with Melamine Coating		60 - 80	
	Particle Board with Veneer Coating		60 - 80	
	High Pressure Laminated Particle Board		60 - 80	
	Soft Fibre Board		70 - 100	
	Cemented Bonded Board	50 - 80		
	Plastics	Hard Paper / Hard Fibre	45 - 70	
		Duroplastic® Board, Corian®	15 - 50	
High Pressure Laminated Bakelite®			30 - 70	
Thermoplastic Profiles			50 - 80	
Aluminium	Aluminium Profiles		40 - 70	