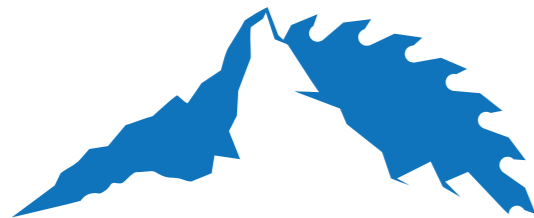


# AS 2

## With common goals together on top

Tool grinding lies at the heart of the economic viability of modern grinding shops and sawmills. Today's sawmills, grinding shops and saw blade manufacturers expect reliability and the highest quality when undertaking saw blade maintenance.

Due to the high flexibility, our expert team is always in a position to meet with the current requirements. Customer focus is not only written, it is lived daily. With the slogan „together on top“ ISELI wants to realize common goals with the customers



The system engineering of our products results in the highest functionality and ease of maintenance. Custom-tailored requirements are mostly realized. ISELI consistently relies on the latest technologies and long-life components – of course, the maintenance- and repair costs are kept as low as possible. Quality that pays off!

To support a smooth work at our customers, we at ISELI offer an excellent after-sale service and can supply 95% of original spare-parts from stock.

## Precision, economic viability and innovation

ISELI is one of the leading providers in the processing of band-, gang- and circular saws. The ISELI team in Schötz produces all machines in Switzerland and guarantees a high technical know-how with experience for more than 70 years.



### Technologies for band saws

Worldwide the largest selection for the processing of band saws. From automatic machines up to 6-axes-driven machines, ISELI leaves nothing to be desired.



### Technologies for circular saws

ISELI sets new standards for carbide-tipped circular saws with the world's first fully automatic circular saw sharpening machine, which does all grinding processes (face, back, chip breaker and flanks) in one only operation.



### Technologies for gang saws

In 2012, ISELI started a new trend with the gang saw machine type GS 4. Optimize your business processes with new services!

With annual innovations and developments ISELI pursues ambitious targets.

# AS 2

Automatic profil grinding machine for circular saw blades in dry or wet grinding

the high-performance-sharpening machine for straight grinding, bevel grinding and chamfering



# Specifications

## Basic information:

Tooth pitch	15 - 100 mm
Tooth height	max. 40 mm
Tooth shape	pointed, hypoid, rake tooth
Grinding wheel diameter	175 - 250 mm
Grinding wheel bore	25 + 32 mm

## Circular saw blades:

Outer diameter (Standard)	Ø 250 - 1000 mm
Outer diameter (Baseframe)	Ø 250 - 1600 mm
Outer diameter (Protection hood)	Ø 250 - 1200 mm

## Standard execution:

Front face rake angle	10° - 30°
Clearance angle tooth back	10° - 20°
Bevel grinding tooth face	0° - 15°
Bevel grinding tooth back	0 - 1 mm

## Universal execution:

Front face rake angle	10° - 30°
Clearance angle tooth back	10° - 20°
Bevel grinding tooth back	0° - 15°
Tooth face	Straight grinding
Raker- and finishing tooth infinitely variable height adjustment	0° - 8°
Chamfering	45°

## Power requirements:

Standard Voltage	400 V 3 Ph. N
Connected load	2.5 kVA
Compressed air supply	6 bar

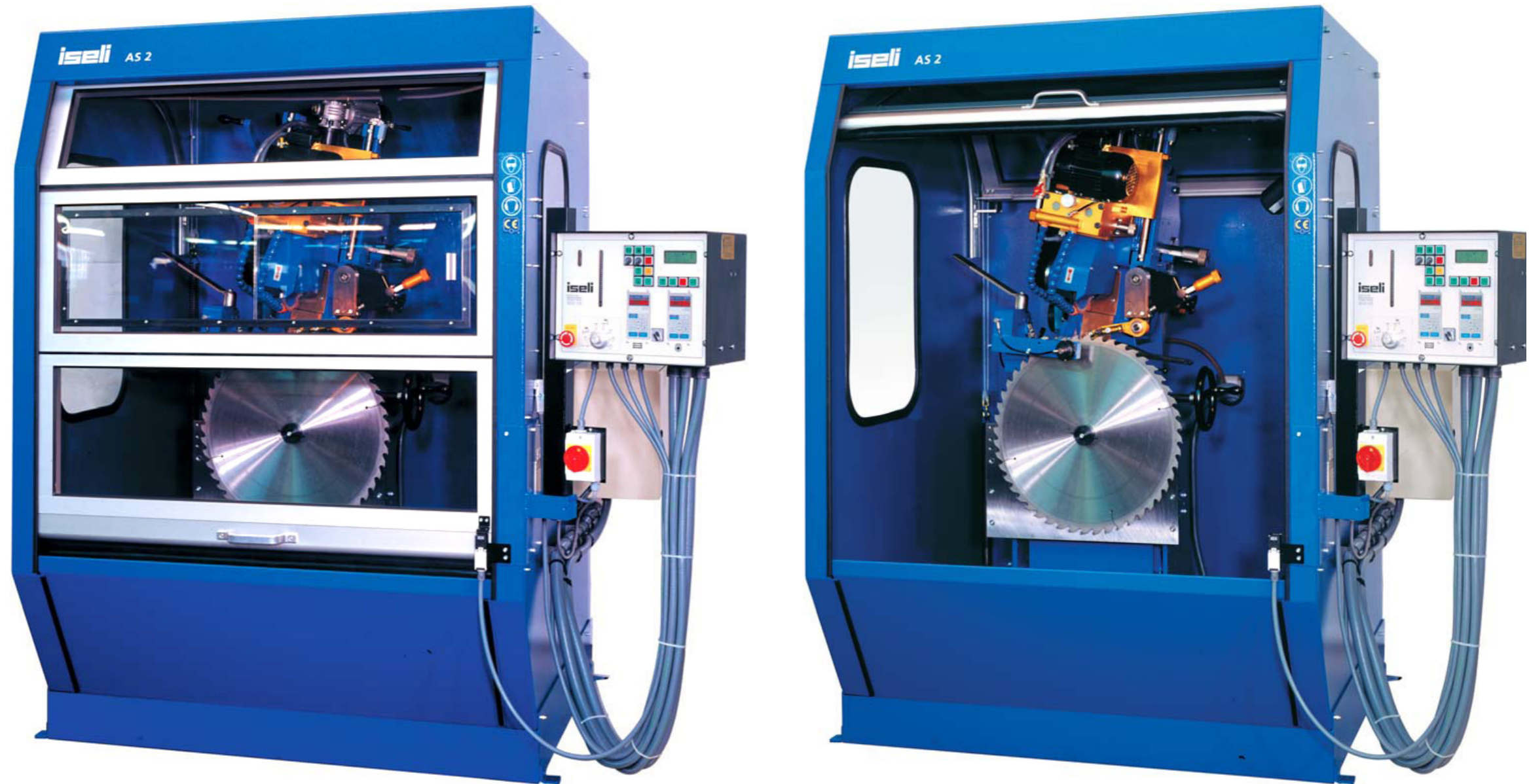
## Shipping information:

Dimension of packing	230 x 150 x 180 cm
Net weight	800 kg
Gross weight	1100 kg

Subject to alteration in design for technical advancement.

Special executions on request.

Certificate ISO 9001



## Grinding programmes

POSSIBLE TOOTH SHAPES	
<b>TOOTH FACE:</b> Straight grinding	
<b>TOOTH BACK:</b> Straight grinding Bevel grinding Chamfering 45° Tooth height difference	

## The most important features

- A machine of extremely robust design, embodying state of the art technology, suitable for sharpening standardtype CV circular saw blades or special types such as stellite tipped and carbide circular saw blades. The Machine is available with dry grinding or with powerful water cooling system.
- Mechanism and grinding head guides with tempered shafts and ball bush bearings (minimum maintenance, no greasing points).
- Feed speed regulator with frequency converter, 4 speeds can be programmed selectively for the complete tooth shape.
- Modern, selective programme control for neatly arranged; easily operated elements.
- Pneumatically operated two-pressure blade clamping facility, high pressure for tooth face grinding, low pressure for tooth back grinding in order to facilitate broaching cutter run. Pneumatic bevel grinding, special alternating bevel grinding, grinding head adjustment for chamfering to 45°.
- Option: Automatic grinding wheel feed down including totalizer for the number of teeth sharpened and automatic stop.
- When CBN- or diamond grinding wheels are used, the water cooling with fully closed protection hood is compulsory.
- When borazon grinding wheels are used on stellite-tipped saw blades, or diamond grinding wheels on carbide saw blades, only tooth face and back are ground. Grinding is carried out in one run for straight- and bevel toothed circular saws.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.