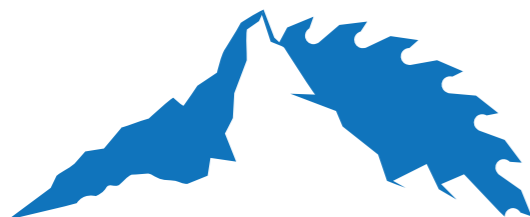


# SAA

## With common goals together on top

Tool grinding lies at the heart of the economic viability of modern grinding shops and 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 philosophy „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

The worldwide 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.



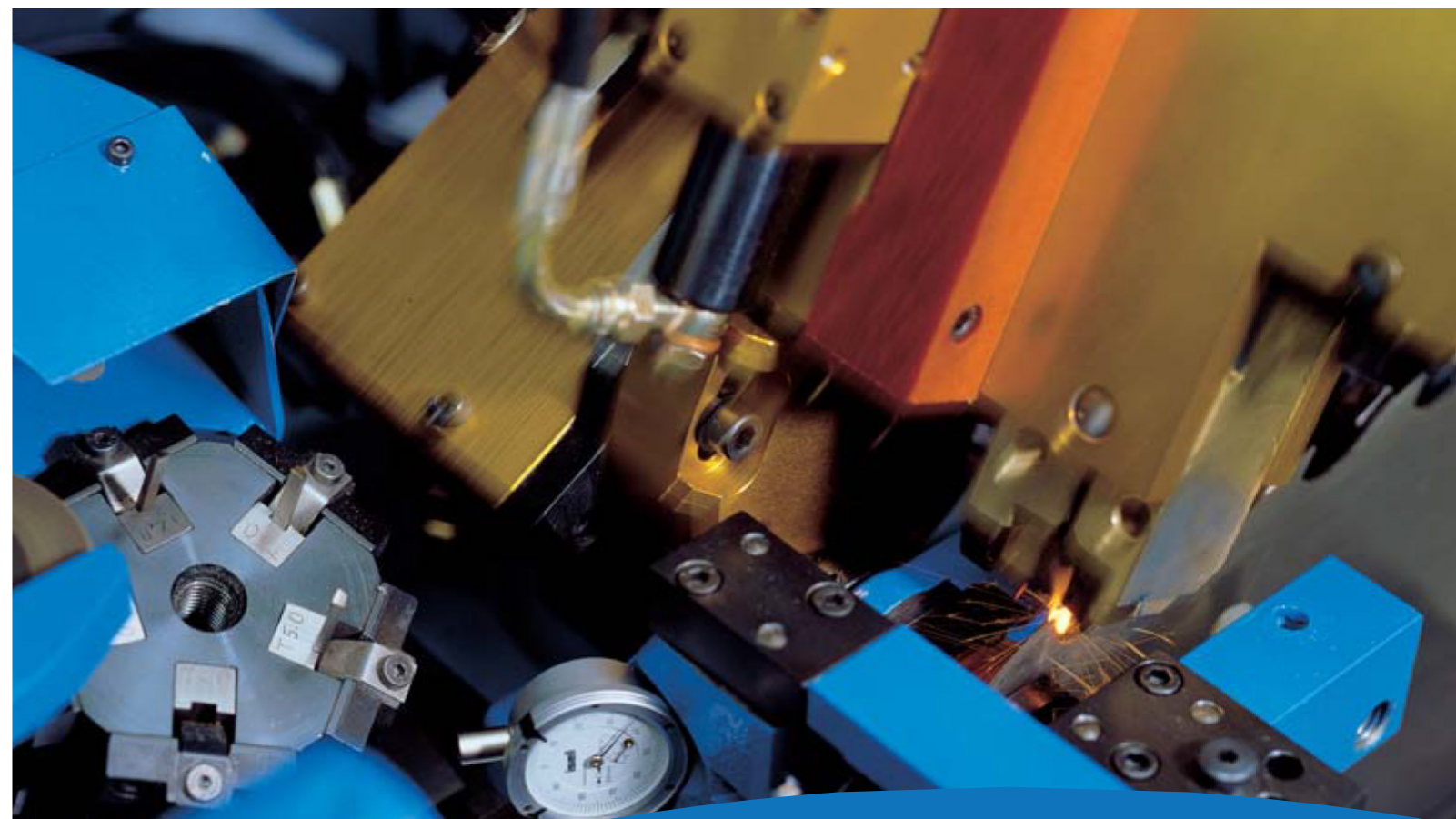
### Technologies for gang saws

In 2012, ISELI started a new trend with the gang saw machine type of GS4. Optimize your business processes with new services!

With annual innovations and developments ISELI pursues ambitious targets.

# SAA

Fully automatic stellite tipping machine for band, gang and circular saw blades  
 well proven technology for the most economical tipping system



# Specifications

## Basic information:

Blade thickness	0.8 - 3.2 mm
Tooth pitch	13 - 115 mm
Tooth height	up to 30 mm
Front rake angle	10 - 30°
Working speed:	approx. 8 t / min *

## Band saw blades:

Blade width (Standard)	60 – 360 mm
Blade length	from 5'600 mm
Narrow band saws (Option)	25 - 80 mm

## Circular saw blades:

Outer diameter	250 - 1200 mm
Bore diameter	22 - 210 mm

## Gang saw blades:

Blade width	80 - 180 mm
Toothed length	up to 1'500 mm

## Power requirements:

Standard Voltage	400 V 3 Ph. N
Connected load	9.6 kVA
Welding transformer	300 A

## Shipping information:

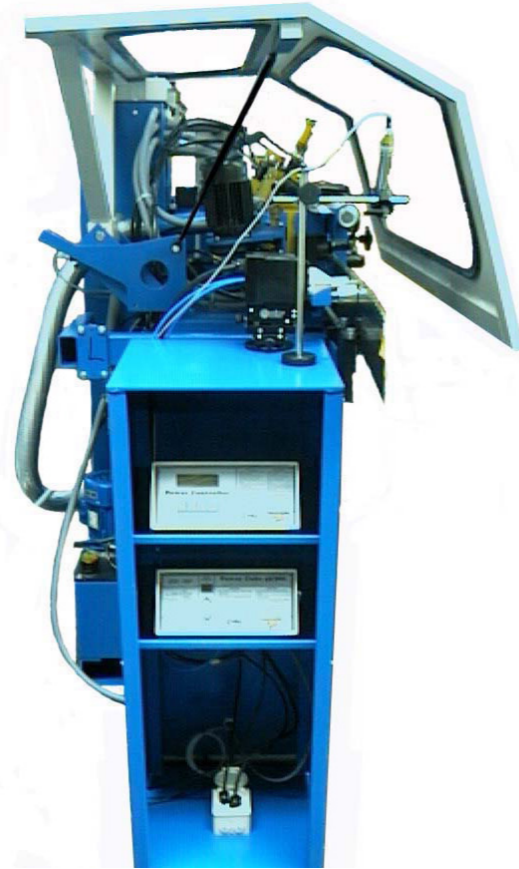
Dimension of packing	240 x 130 x 190
Net weight	approx. 900 kg
Gross weight	approx. 1'050 kg

\* Working speed is according to tooth shape, tooth pitch and feed system

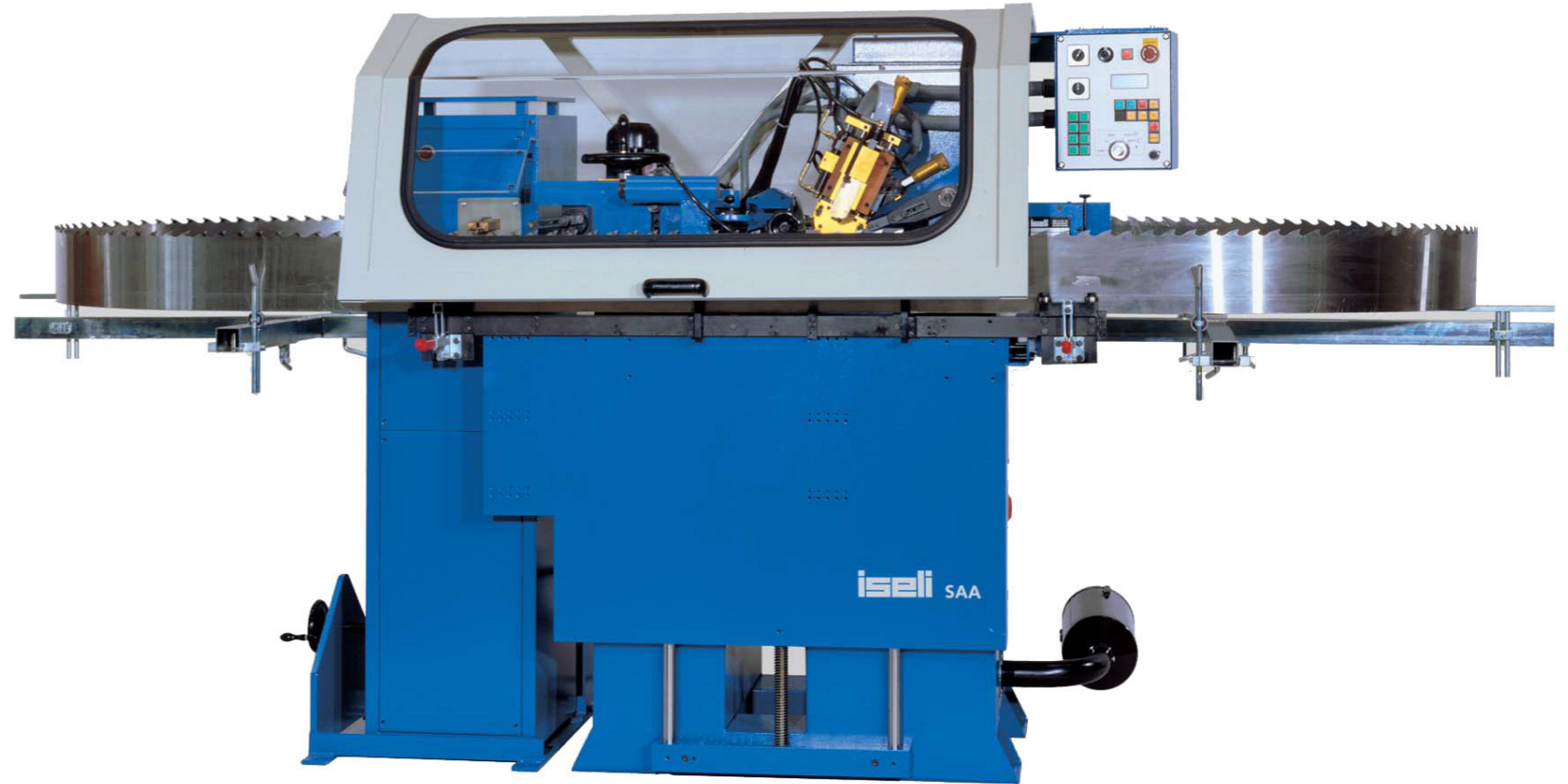
Subject to alteration in design for technical advancement.

Special executions on request.

Certificate ISO 9001



New high-frequency annealing device.



## Our well proven welding method

ISELI is tipping your band, gang and circular saw blades by the resistance welding method. This tipping method is proven and tested since decades all over the world.

Besides our proven method the machines impresses by its robust design, the ease of use and durability.

### Preformed stellite

Round stellite:	Ø 3,2 / 4,0 / 5,0 / 6,4 mm
Prism stellite:	P 2,5 - 6,5

## The most important features

- The ISELI SAA stellite tipping machine is used for tipping your band, gang and circular saw blades. Our proven technology has an excellent reputation and high quality.
- The stellite is welded on the saw by resistance welding method. The structural condition of the stellite does not change during welding. Cracks and holes in the stellite are thus avoided.
- The stellite is welded vertically and the tip size can be adjusted in length from 4 mm to 10 mm.
- Stellite is picked-up from the magazine (5 rods 1000 mm in length each) and is then cut off by a cutting wheel.
- Pre-shaped (square) stellite from 2,5 to 6,5 mm and round stellite from 3,2 to 6,4 mm dia can be used.
- No need for elaborate saw preparation and grinding of the saw tip before tipping.
- New tips can be welded directly into existing tips.
- Easy adjustments allow band, circular and gang saw blades to be tipped on the same machine.
- Tipping and high frequency annealing of the band saw blades is carried out automatically in one process.
- The machine is equipped with a easy to use programmable control unit eliminating the need of expert operation.
- The central height adjusting device gives hassle free installation of the saw blade.
- Due to the hydraulic system the working speed of each part of the machine can be adjusted individually.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.