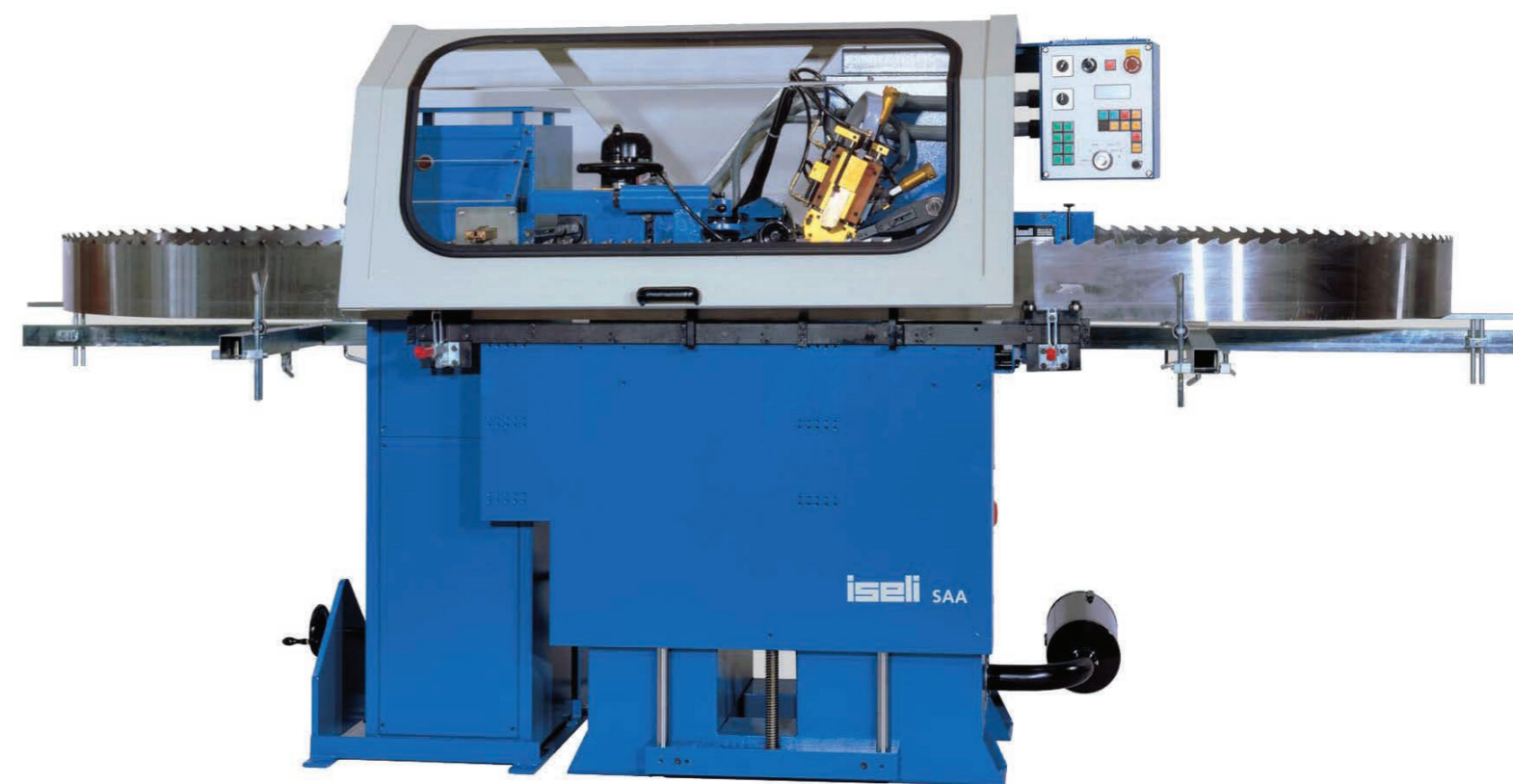




SAA

FULLY AUTOMATIC STELLITE TIPPING MACHINE FOR BAND, GANG AND CIRCULAR SAW BLADES

Well proven technology for the most economical tipping system



ISELI – PRECISION FOR A PERFECT CUT

ISELI develops and manufactures grinding machines, complex processing machines and automation for a perfect saw shop at manufacturers of tools, service providers as well as for sawmills in the field of sharpening technology for band, gang and circular saw blades in the area of wood, aluminum, plastic and metal. Convince yourself of our expertise and experience for a perfect cut!

Swiss quality by tradition

As a traditional family business, today already managed by the third generation, ISELI is developing sharpening machines with the latest technologies and excellent engineering – made in Switzerland.

ISELI system technology is convincing thanks to its maximum operating convenience, flexibility in the applications as well as to adaptation to customer requirements. Its outstanding quality makes ISELI sharpening machines a future-proof investment.

Together ahead of the competition

As a customer, you benefit on one hand from our fair, partnership-based cooperation and on the other from our continuous development of the machining and sharpening processes. An additional advantage is the intelligent optimization in process and product handling.



Sharpening solutions for band and gang saws



Sharpening solutions for circular saws



Sharpening solutions for hand tools



Sharpening solutions for industrial blades



Sharpening solutions for chain saws



Service



SPECIFICATIONS

GENERAL INFORMATIONS:

| | |
|------------------|---------------------|
| 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 |

Subject to alteration in design for technical advancement.

OUR WELL PROVEN WELDING METHOD

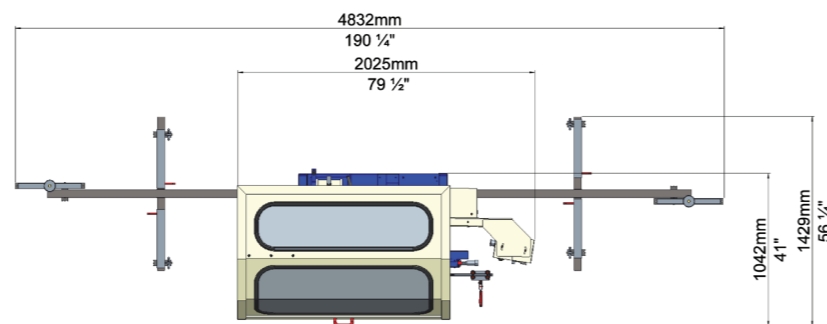
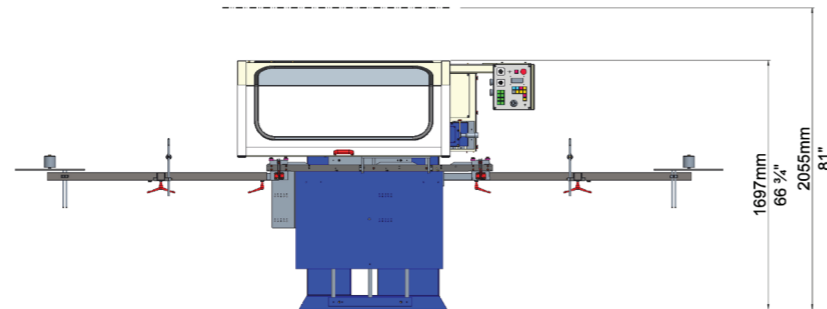
ISELI is tipping your band, gang and circular saw blades by the resistance welding method. This tipping method is proven and tested since decades all over the world.

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

ISELI STELLIT

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

SPACE REQUIREMENTS



OPTIONS

- Grinding dust exhaust
- Optical monitoring of annealing temperature
- Device for control of the welding current
- Equipment for band, circular and gang saw blades
- Equipment for double toothed (twin cut) saw blades
- Loading system

HIGHLIGHTS

- 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.

