

S211

calibrating sanding machine



When competitiveness means growth



Made **In** Biesse

The market demands

the ability to **handle orders** of different sizes and types, with guaranteed delivery times and **high quality standards**.

Viet responds

with technological solutions that can be customised in accordance with manufacturing requirements, and which deliver high finished product quality and productivity. **S211** is the entry-level solution by Viet which unites superior quality and precision in a single machine, with top-of-the range technologies and systems. S211 is the most compact, high-performance machine for calibrating and sanding in its category, ideal for smaller, artisan workshops. The S211 meets all small-scale calibrating and initial smoothing requirements.

- ✓ **Smaller working dimensions, perfectly suited to artisan business premises.**
- ✓ **Exceptional finish quality.**
- ✓ **Maximum precision and functionality.**
- ✓ **Extensive range of applications.**

Precision and
simplicity of use



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S211

Contained dimensions which can be adapted to smaller spaces

The S211 has a smaller frame, which is perfectly suited to artisan business premises. The levels of performance it offers, however, are anything but limited. A supremely versatile machine for all calibrating and initial smoothing operations.



Pad



Roller



Combined

Maximum precision and functionality



Combined/roller versions.



Roller unit

The Roller unit is extremely precise and effective. Depending on the hardness of the rubber used and the roller's cross-section, the unit can be used to calibrate, sand or finish.

Available cross-section sizes: 160 mm, 190 mm.

Combined unit

The Kombi unit, (patented Viet 1967), allows for two tools to remain in contact with the same abrasive belt. Ideal for the operations in which differentiation between types of work is necessary, with no need to add an additional working unit.

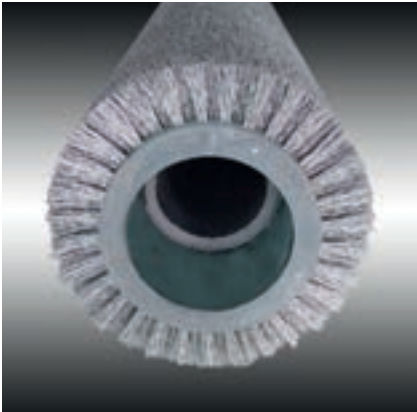


Braking system

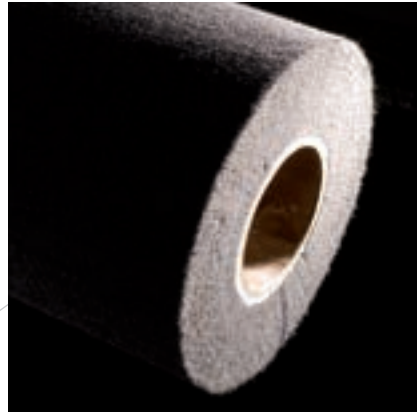
Viet uses disc brakes with floating callipers on the engines fitted to these machines.

This motorcycle-derived system guarantees speed and safety.

Fine surface finishing and polishing for all types of application



The **brushing unit** enables the customer to highlight the wood grain of processed panels.



Scotch brite

The scotch brite unit is suitable for adding a satin finish to the panels after the smoothing cycle. It provides a uniform finish, using open-pore cycles.

Simplicity and ease of use



The **button control panel** (standard) is easy to use and intuitive, allowing users to control all of the functions of the machine at the touch of a button.



The IPC system is the highest expression of sanding machine management technology available on the market.

IPC is a range of control systems (optional) that are integrated into the machine via 8" touch screen monitors. This type of control system supports the management of all machine parameters, providing the operator with timely and intuitive information.

Optimal panel cleaning with a great price/ performance ratio



The **panel cleaning brush** can be fitted with bristles of different materials to deep clean the machined panels.



The **anti-static bar** eliminates electrostatic charges on painted panels.



The **rotating blower**, positioned downstream of the machine, enables optimal cleaning of the panel's surface at the end of the sanding cycle.

The **linear blower** is used to finish cleaning the panel's edges. Ideally, it should be coupled with the rotating blower.

Service & Parts

Direct, seamless co-ordination of service requests between Service and Parts.
Support for Key Customers by dedicated Biesse personnel, either in-house and/or at the customer's site.

Biesse Service

- ✓ Machine and system installation and commissioning.
- ✓ Training centre dedicated to Biesse Field engineers, subsidiary and dealer personnel; client training directly at client's site.
- ✓ Overhaul, upgrade, repair and maintenance.
- ✓ Remote troubleshooting and diagnostics.
- ✓ Software upgrade.

500 / Biesse Field engineers in Italy and worldwide.

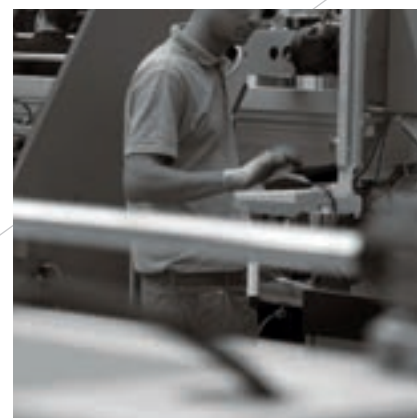
50 / Biesse engineers manning a Teleservice Centre.

550 / Certified Dealer engineers.

120 / Training courses in a variety of languages every year.

The Biesse Group promotes, nurtures and develops close and constructive relationships with customers in order to better understand their needs and improve its products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts.

With its global network and highly specialised team, it offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.



Biesse Parts

- ✓ Original Biesse spares and spare kits customised for different machine models.
- ✓ Spare part identification support.
- ✓ Offices of DHL, UPS and GLS logistics partners located within the Biesse spare part warehouse, with multiple daily pick-ups.
- ✓ Order fulfilment time optimised thanks to a global distribution network with de-localised, automated warehouses.

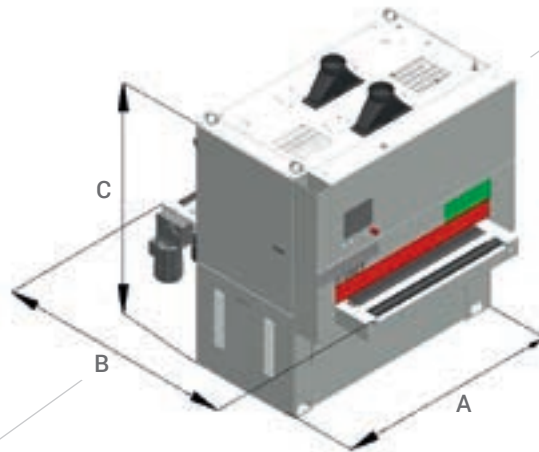
87% / of downtime machine orders fulfilled within 24 hours.

95% / of orders delivered in full on time.

100 / spare part staff in Italy and worldwide.

500 / orders processed every day.

Technical specifications



S211

A	mm	1760
B	mm	1970
C	mm	2090
Maximum operating width	mm	1100
Min-max processing thickness	mm	3 - 160
Dimensions of sanding belts	mm	1130 x 1900
Advance speed	m/min	3 - 16
Operating pressure	bar	6
Weight	Kg	1750
Motor power of up to	kW	18.5

The technical specifications and drawings are non-binding. Some photos may show machines equipped with optional features. Biesse Spa reserves the right to carry out modifications without prior notice.

A-weighted surface sound pressure level (L_{pfA}) during machining for operator workstation on vane-pump machine L_{pfa}=76dB(A) L_{wa}=95dB(A). A-weighted sound pressure level (L_{pfA}) for operator workstation and sound power level (L_{WA}) during machining on cam-pump machine L_{wa}=76dB(A) L_{wa}=95dB(A). K measurement uncertainty dB(A) 5

The measurement was carried out in compliance with UNI EN 848-3:2007, UNI EN ISO 3746: 2009 (sound power) and UNI EN ISO 11202: 2009 (sound pressure levels at workstation) during panel machining. The noise levels shown are emission levels and do not necessarily correspond to safe operation levels. Despite the fact that there is a relationship between emission and exposure levels, this may not be used in a reliable manner to establish whether further measures need to be taken. The factors determining the exposure level for the workforce include length of exposure, work environment characteristics, other sources of dust and noise, etc. i.e. the number of other adjoining machines and processes. At any rate, the above information will enable the operator to better evaluate dangers and risks.

Viet range

Calibrating and sanding

CALIBRATING - SANDING MACHINES



S211



S1



S2

FINISHING CENTRES



Opera 5



Opera 7



Opera R



Valeria



Narrow

Made **With** Biesse

Craftsmanship and cutting-edge technology to make the sweet music of success.

Over 80,000 instruments installed in over 80 countries for Allen Organ, the largest organ manufacturer in the world. Headquartered in Macungie, PA, in the USA, and founded by Jerome Markowitz in 1937, Allen Organ boasts 200 employees and manufacturing facilities with a surface of 225,000 m². "Allen" states Dan Hummel, Manufacturing Director, "has a high degree of vertical integration, which requires the company to have the utmost quality control and the flexibility to make changes in relatively quick time scales, depending on customer needs. We have some very peculiar requirements as far as production and planning of creative

solutions are concerned. Our customers demand both customised products and classic organs that are standard stock items. However, even standard organs are often modified to respond to specific needs". Allen organs are built by combining veneered panels with solid wood. "Everybody works very closely with suppliers to guarantee the best quality solid woods and panels", adds Hummel. The raw material is processed using high-tech machinery during the various production phases, to get to the end product. During the last step, the processed wood is sanded using a Biesse finishing centre. The touch-screen op-

erated sanding centre has a combined roller/roller and sectioned pad unit for the sanding of veneered panels and solid wood.

Source: Custom Woodworking Business Jan. 2013 Woodworking Network/Vance Publications.

Allen Organ is the leader in the manufacturing of superior-quality digital organs and similar instruments. Quality, craftsmanship and cutting-edge technology.



<http://www.allenorgan.com>



Biesse Group

In

1 industrial group, 4 divisions
and 8 production sites.

How

€ 14 million p/a in R&D and 200 patents registered.

Where

34 branches and 300 agents/selected dealers.

With

customers in 120 countries (manufacturers of furniture,
design items and door/window frames, producers of ele-
ments for the building, nautical and aerospace industries).

We

3,200 employees throughout the world.

Biesse Group is a multinational leader in the
technology for processing wood, glass, stone, plastic
and metal.

Founded in Pesaro in 1969, by Giancarlo Selci, the
company has been listed on the Stock Exchange
(STAR segment) since June 2001.

 **BIESSEGROUP**

 **BIESSE**

 **INTERMAC**

 **DIAMUT**

MECHATRONICS

