

S211

CALIBRATING
SANDING MACHINE

00 20 1 1

PRECISION AND SIMPLICITY OF USE

THE MARKET EXPECTS

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

BIESSE 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 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.

S211

- **SMALLER WORKING DIMENSIONS, PERFECTLY SUITED TO ARTISAN BUSINESS PREMISES**
- **EXCEPTIONAL FINISH QUALITY**
- **MAXIMUM PRECISION AND FUNCTIONALITY**
- **EXTENSIVE RANGE OF APPLICATIONS**

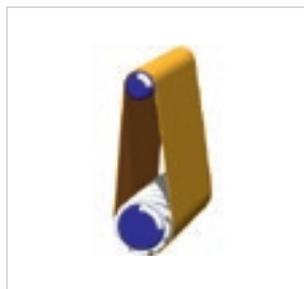


CONTAINED DIMENSIONS WHICH CAN BE ADAPTED TO SMALLER SPACES

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.

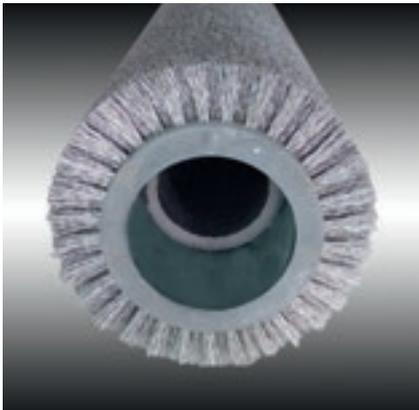


Braking system

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.



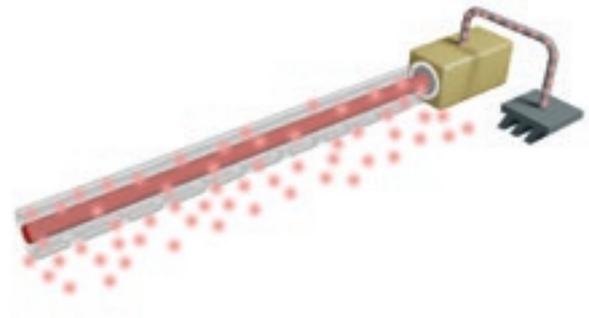
The **IPC system** is the highest expression of sanding machine management technology available on the market.

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.

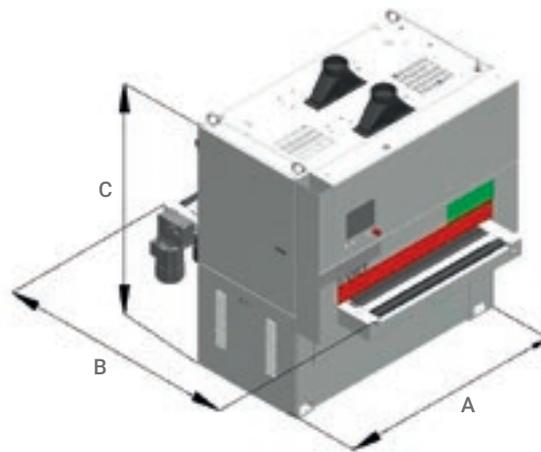


The **rotating blower**, positioned downstream of the machine, enables optimal cleaning of the panel's surface at the end of the sanding cycle.



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

TECHNICAL SPECIFICATIONS



S211

| | | |
|-------------------------------------|-----------|---------------------------|
| A | mm / inch | 1760 / 69.2 |
| B | mm / inch | 1970 / 77.5 |
| C | mm / inch | 2090 / 82.2 |
| Maximum operating width | mm / inch | 1100 / 43.3 |
| Min-max processing thickness | mm / inch | 3 - 160 / 0.2 - 6.2 |
| Dimensions of sanding belts | mm / inch | 1130 x 1900 / 44.4 x 74.8 |
| Advance speed | ft/ min | 3 -16 / 9.8 - 52.4 |
| 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.

Weighted sound pressure levels at the machine entry operator station: 75.0 dB(A) without load, 76.0 dB(A) with load. Weighted sound pressure levels at the machine exit operator station: 70.5 dB(A) without load, 71.0 dB(A) with load.

Viet Srl. designed the machine to reduce airborne noise emission at source to the lowest possible level, in accordance with the requirements of Community Directive 2006/42/EC, and commissioned a test to determine the sound pressure emission level at the operator station for the smoothing/sanding machine. Standards: The measurement was carried out in compliance with UNI EN ISO 19085-8:2018, UNI EN ISO 11202:2010. The noise levels shown are emission levels and do not necessarily correspond to safe operation levels. Even though there is a relation between emission levels and exposure levels, this cannot be used reliably to establish whether further precautions are necessary. The factors determining the noise levels to which the operative personnel are exposed include the length of exposure, the characteristics of the work area, as well as other sources of dust and noise, etc. (i.e. the number of machines and processes concurrently operating in the vicinity). In any case, the information supplied will help the user of the machine to better assess the danger and risks involved.

COMPLETE RANGE

CALIBRATING AND SANDING

CALIBRATING - SANDING MACHINES



S211



S1



S2

FINISHING CENTRES



Opera 5



Opera 7



Opera R



Valeria



Narrow

CUSTOMER CARE IS WHO WE ARE

SERVICES is a new experience for our customers, to offer not just excellent technology but the added value of an increasingly direct connection with the company, the professionals who work there and the experience they embody.



ADVANCED DIAGNOSTICS

Digital channels for remote interaction online 24/7. Always ready to intervene on-site seven days a week.



A WORLDWIDE NETWORK

39 branch offices, over 300 certified agents, retailers in 120 countries, and spare parts warehouses in America, Europe and the Far East.



SPARE PARTS AVAILABLE IMMEDIATELY

Identification, shipping and delivery of spare parts for every need.



EVOLVED TRAINING OPPORTUNITIES

Lots of on-site, online and classroom training modules for personalised growth.



VALUABLE SERVICES

A wide range of services and software packages to help our customers achieve continuous improvements in performance.

AN EXCELLENT LEVEL OF SERVICE

+550

HIGHLY SPECIALISED
TECHNICIANS AROUND
THE WORLD, READY TO HELP
CUSTOMERS

90%

OF MACHINE DOWN CASES
WITH RESPONSE TIMES
UNDER 1 HOUR

+100

EXPERTS IN DIRECT
CONTACT THROUGH
REMOTE CONNECTIONS
AND TELESERVICE

92%

OF SPARE PARTS ORDERS
FOR MACHINE DOWNTIME
PROCESSED WITHIN 24
HOURS

+50.000

ITEMS IN STOCK IN THE
SPARE PARTS WAREHOUSES

+5.000

PREVENTIVE MAINTENANCE
VISITS

80%

OF SUPPORT REQUESTS
SOLVED ONLINE

96%

OF SPARE PARTS ORDERS
DELIVERED IN FULL ON TIME

88%

OF CASES SOLVED WITH
THE FIRST ON-SITE VISIT

MANAGING PRODUCTION IN A SIMPLE, USER-FRIENDLY MANNER

**SMART
CONNECTION**
Powered by Retuner



SMARTCONNECTION IS A SOFTWARE PACKAGE FOR MANAGING JOB ORDERS WITHIN THE COMPANY - FROM THE GENERATION PHASE TO SCHEDULING AND PRODUCTION START-UP - IN JUST A FEW SIMPLE, INTUITIVE STEPS.

THANKS TO SMARTCONNECTION, PRODUCTION SITE MACHINES CAN BE LINKED UP TO TRANSFORM THE COMPANY INTO A 4.0 ENTITY.



SmartConnection is a web-based solution that can be used by any device.

MANAGE THE JOB ORDER

PLAN

SCHEDULE

WORK



Biesse is extending SmartConnection across all geographical areas.
To check availability in your country, get in touch with your commercial contact.

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

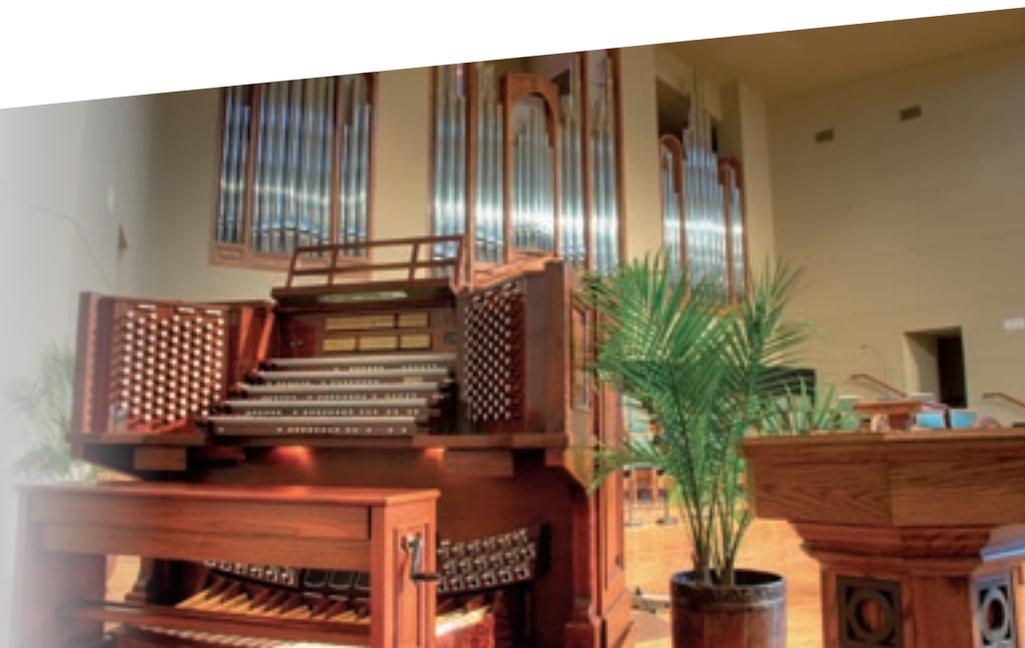
peculiar requirements as far as production and planning of creative solutions are concerned. Our customers demand both customised products and classic organs that are standard stock items. However, even standard organs are often modified to respond to specific needs". Allen organs are built by combining 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 operated 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.

ALLENORGAN.COM



Founded in Italy,
international native.

We simplify your
manufacturing
to make the process
of any material



ur
g process
potential
I shine.

We are an international company that manufactures integrated lines and machines to process wood, glass, stone, plastic and composite materials and what will come next.

Thanks to our rooted competence nurtured by an ever-growing worldwide network, we support your business evolution – empowering your imagination.

Master of materials, since 1969.

Join the
Biesse world.

[biesse.com](https://www.biesse.com)



