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Ottobock planning & equipping News and highlights

Your partner for the orthopaedic
and orthopaedic shoe workshop

Quality for life

An Ottobock Group company

jos america





Highlights and new product features Contents:

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Creating a perfect working environment – with customised concepts

We focus on complete solutions. Using over 50 years of experience, we help you set up and equip your orthopaedic and orthopaedic shoe workshop. First we analyse your working processes and determine which high-quality machines and components you require – and then we develop comprehensive concepts that correspond fully to your personal expectations.

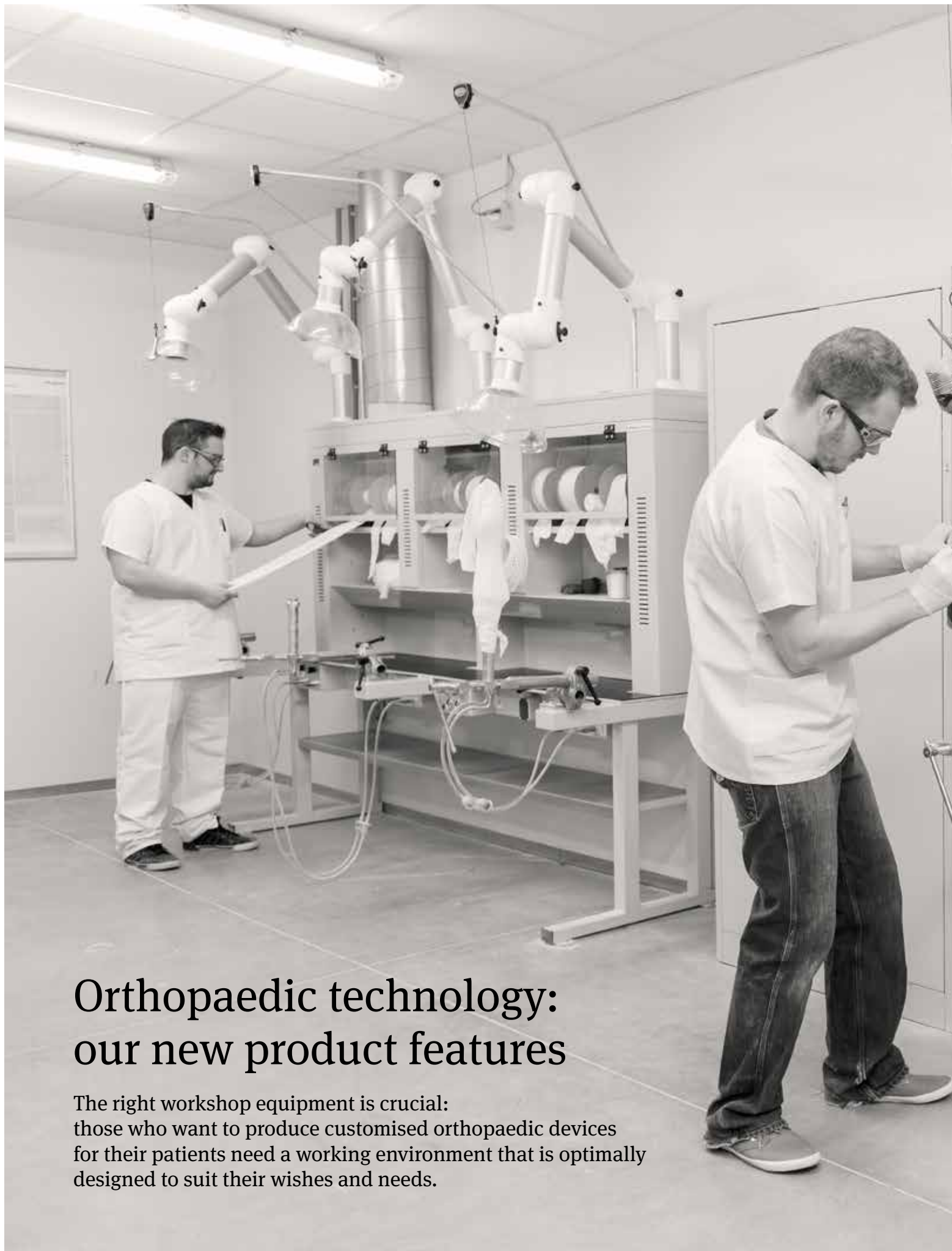
With our own production facilities and our own paint shop, we are able to implement your individual wishes and needs precisely. Using the expertise of our advisors, we will also be happy to help you personally when setting up your 'ideal workshop'. We do this to make sure you and your employees feel completely comfortable – and able to produce the best results for your customers and patients every day.

Just get in touch with us!

For more information, please visit our website:

www.ottobock-josamerica.com.

You can access your product directly by entering the article number in the search field.



Orthopaedic technology: our new product features

The right workshop equipment is crucial: those who want to produce customised orthopaedic devices for their patients need a working environment that is optimally designed to suit their wishes and needs.



1.1 Casting and laminating

Working professionally with lamination resins, adhesives and other hazardous materials often requires more than just using safety goggles and gloves. The Ordinance on Hazardous Substances dictates that dangerous materials be stored securely and that vapours are extracted properly.

758Z132=★ extraction booth with sliding front

Secure extraction while working: this highly effective extraction booth offers you optimum protection at all times while you work.

The high-quality extraction booth is perfectly designed for daily use. In conjunction with the external extraction system, the sliding front prevents contaminated air from entering the work room. This, together with an external, explosion-proof extraction system, offers you optimum protection from dangerous gases and vapours when working with hazardous materials. In this way, you ensure compliance with workplace exposure limits and also demonstrate that the health of your employees is important to you.

Technical data at a glance:

- Explosion-proof lighting
- Port for external extraction system
- Colour: light grey (RAL 7035)
- Dimensions D x H: 700 x 1045mm
- Available in the widths 800, 1100 and 1500mm
 - 758Z132=800 width 800mm
 - 758Z132=1100 width 1100mm
 - 758Z132=1500 width 1500mm





Storage options for hazardous materials have also been taken into consideration: the booth has space to integrate a safety cabinet in which the lamination resins can be stored.



758Z131=1200 extraction booth for mixing lamination resins

This highly modern extraction booth features an integrated air curtain, providing optimum protection against chemical vapours – and enabling you to work at the front with clear vision at all times.

When processing lamination resins, harmful vapours and gases have to be extracted safely. In conjunction with a central explosion-proof box ventilator, you can now extract gases and vapours safely and conveniently. The fresh air curtain at the front prevents gases and vapours from entering the work room, thus enabling you to work optimally from the front with a clear view, and without being hindered by a protective window. Integrated explosion-proof lighting guarantees first-class illumination of the workplace.

Technical data at a glance:

- Dimensions W x D x H: 1200 x 750 x 2200mm
- Electrical connection in V/Hz/kW: 1x 230/50/0.68
- Colour: light grey (RAL 7035)
- Weight: 170kg
- Integrated ventilator for the air curtain
- Port for external ventilator to extract gases and vapours
- Space in the lower cupboard to install a safety cabinet 758F21

617H119=*

Orthocryl 80:20 PRO

This professional lamination resin produces optimum results during the fabrication of components with a low proportion of resin.

The difference to previous lamination resins: 80:20 PRO is less viscous. This lower viscosity offers clear advantages.

Advantages at a glance:

- Better penetration of the reinforcement
- Faster evacuation of air from the reinforcement
- Better quality and stability of the end result
- Hardener/colour pastes are easier to mix
- Container size:
 - 617H119=0.900 0.9kg
 - 617H119=4.600 4.6kg
 - 617H119=25 25kg



758F21

Safety cabinet

Hazardous materials must be stored properly so that they are protected from flames in the event of a fire.

This safety cabinet is suitable for the storage of flammable liquid and solid hazardous materials according to regulations, and is fire resistant for at least 90 minutes in accordance with the European standard EN 14470-1. It is also CE-compliant and has been awarded the GS seal for 'Geprüfte Sicherheit' (Tested Safety).

Technical data at a glance:

- Dimensions W x D x H: 1100 x 550 x 630mm
- Load capacity: 50kg
- Automatic closure of the drawer in the event of a fire by means of a thermal triggering system





1.2 Liner processing

Bij het vervaardigen van liners wordt vaak voor silicone gekozen. Met gereedschap dat precies is afgestemd op dit materiaal, gaat het verwerken ervan u gemakkelijk af.

719S20

Scissors for synthetic fibres

These scissors for synthetic fibres are excellent for cutting fabric-covered liners.

Our scissors for synthetic fibres have a special coating that ensures effective protection against abrasive wear. They cut a combination of silicone material and lining fabric without fraying. At the same time, the scissors are especially durable and smooth-running.

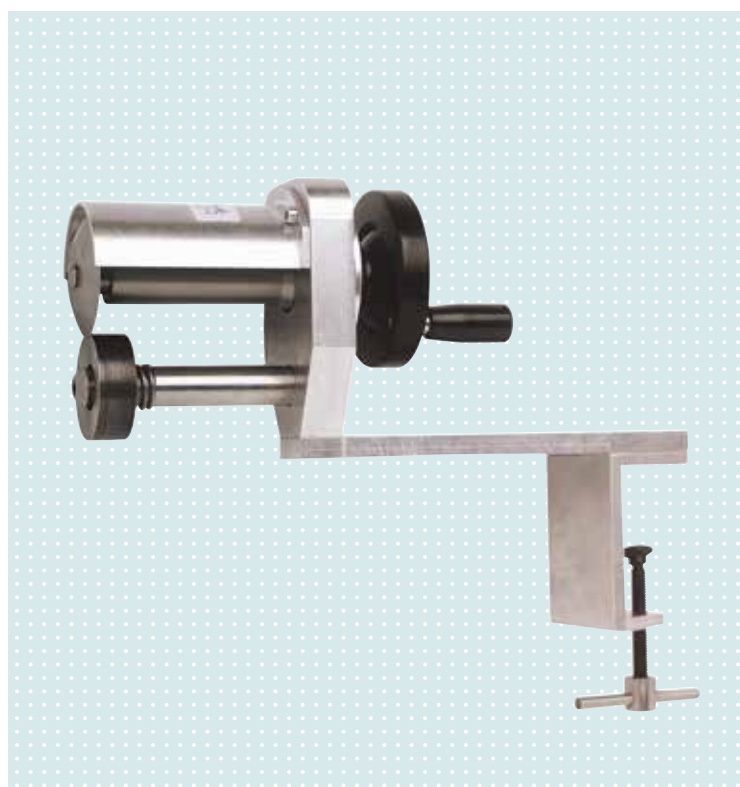


756L9

Ottobock cutter

This professional cutter is the right choice when you need to process larger quantities of combined silicone material and lining fabric.

The cutter is perfect for cutting silicone and polyurethane liners. The cutting edges are also rounded to prevent the cutting edge from tearing the liner.



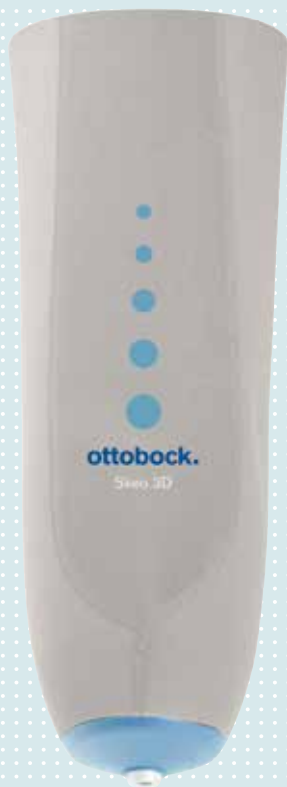
6Y87 Liner Skeo 3D

A new dimension in custom-fitting and comfort: a special lining material is applied to the silicone to create an especially pleasant, natural skin feel. The silky, extremely smooth textile also makes the liner easier to put on and take off.

A matrix minimises the lengthways extension of the material, thus protecting the sensitive part of the residual limb. At the same time, the silicone provides the best possible hold between the residual limb and the prosthetic socket.

Advantages at a glance:

- Conical shape envelopes the residual limb and protects sensitive areas
- Cylindrical shape in the upper part of the liner protects the residual limb from all sides
- The fabric makes it easier to don and doff
- Special textile fabric to easily connect the KISS Lanyard Velcro system on the outside







1.3 Patient fitting

The best possible consulting and supervision at every fitting phase:
With individually adjustable equipment from Ottobock | Jos America, you can simulate everyday situations in a realistic way and retain full control when helping the patient get accustomed to the device.

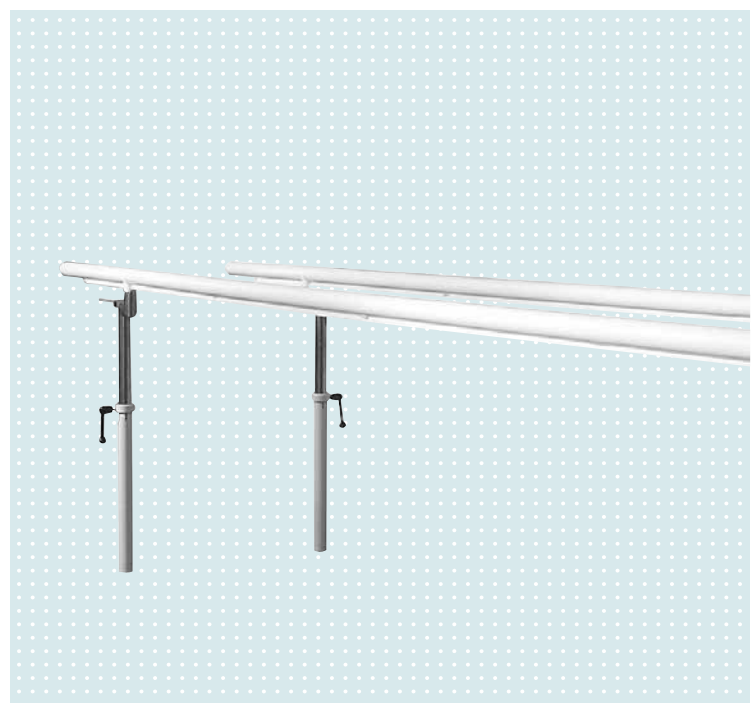
758G10=* und 758G30=* parallel bars

Ideal for optimising the dynamic alignment of lower limb prostheses, these bars also feature a highly compact design.

The workmanship of these parallel bars is durable and robust. The height and width of the handrails can be adjusted. Even in the 6m version, the bars do not sag in the middle. In both versions, the vertical tubes can be unscrewed and folded up, helping you organize your patient area in a more flexible way.

Technical data at a glance:

- 758G10=* Parallel bars with bevelled base plates: Freestanding set-up; when not in use, the parallel bars can be folded up and set aside
- Available lengths:
 - 758G10=3 3m
 - 758G10=4 4m
 - 758G10=5 5m
 - 758G10=6 6m
- 758G30=* Parallel bars with floor anchoring:
The vertical tubes can be unscrewed from the floor holders when not needed
- Available lengths:
 - 758G30=3 3m
 - 758G30=4 4m
 - 758G30=5 5m
 - 758G30=6 6m

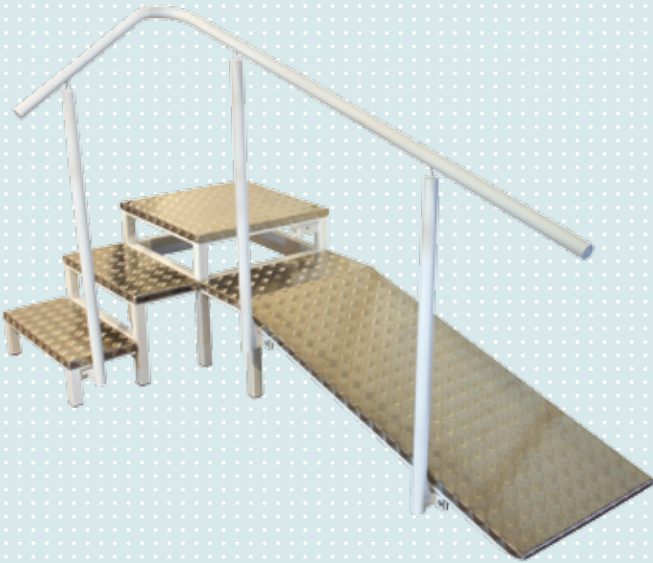


758G8=1 und 758G8=LR Test platform with inclined surface

More space for treatment –
less space needed for storage:
with this compact test platform,
patients can climb steps, walk on the
ramp and turn around on the platform.

Technical data at a glance:

- Equipment: Stable construction with test platform, 3 steps and inclined surface, stud plate for better hold
- Height of handrail: 940mm
- Height of platform: 510mm
- 758G8=1 Stairs straight: Dimensions LxW: 2890 x 666mm
- 758G8=LR Stairs left or right (can be installed variably): Dimensions LxW: 2282 x 1210mm



Planning and equipping example: OTH Rijndam Orthopedietechniek, Rotterdam

Proximity takes priority:

The Rijndam Rehabilitation Centre lies in the heart of the Dutch city of Rotterdam, offers a comprehensive range of treatments for people with disabilities and has a total of three of its own orthopaedic workshops. All three have been managed until recently by the company De Hoogstraat Orthopedietechniek. Orthopaedic devices can be made to measure and minor fittings undertaken at the two smaller sites – the Centre for Paediatric Rehabilitation and the University Hospital – while all larger jobs are passed on to the main workshop in the heart of the rehabilitation centre.

Fast assistance – on site

At the start of the year, the orthopaedic workshop in the rehabilitation centre underwent a thorough renovation and expansion. All kinds of arm and leg prostheses and orthoses can now be manufactured and fully fitted here. Talking about the multidisciplinary collaboration between rehabilitation doctors, physiotherapists, occupational therapists and orthopaedic technicians, Managing Director Marcel Conradi notes: "The spatial proximity makes it possible to directly cater to individual wishes when looking for the right orthopaedic device.

This is very important, because ultimately, we're here to help as quickly as possible people who have recently undergone an amputation or who are partially paralysed following a stroke. One must bear in mind that these people are in a very difficult phase in their lives, during which they need as much help and support as possible.

" The direct connection to the workshop helps here. "It's a major benefit that the orthopaedic workshop is located directly within the rehabilitation centre. We can thus fit people with the right devices even during the rehabilitation phase and better show them how to use them." At the same time, they should feel comfortable on the premises: "We have chosen an especially quiet interior room to perform the orthopaedic technology work with the patient."

Geert-Jan Ruigrok, one of a total of ten members of staff at the workshop, adds, "In order to give the patient a device that is as perfectly designed as possible, we have to know their needs precisely: what was this person doing before their illness? What would they like to do in the future? What exactly are their living conditions? This extends far into the patient's private life, and these conversations often result in very personal relationships between the technician and patient."

It's the tools that matter

While the focus in the treatment rooms lies on the interests of the patient, the needs of the employees were the first thing taken into account when outfitting the workshop. They, too, should feel at home. "Orthopaedic technology is a very labour-intensive activity. It is important that all technicians have the best materials and can work without disruptions," says Marcel Conradi, explaining his reason for choosing Ottobock | Jos America as a partner. "The experienced consultants were great: always able to think along the same lines as us, to anticipate and react directly to new ideas that arise during a design phase like this."

All of the employees in the workshop were involved in the planning, right from the first draft.

Every individual was able to offer his or her ideas on the layout, which ultimately meant that the renovation became a shared project in close collaboration with Ottobock | Jos America. Above all, the relocation of the workshop reception area to the centre's central reception created a lot of space, which is now used for the technicians.



The best working environment for the best results

The workshop was completely gutted and rebuilt. Chic glass partition walls create an open, accessible impression, although all activities continue to be performed in their specific areas. The layout is well thought-through: the new workshop for casting and laminating is located directly next to the plaster room on the window side – and you can go directly into the machine room from the workshop. The work tables are set up centrally so that the technicians can communicate with each other while they work. This has proved to be so popular that the employees now often even spend their lunch breaks together here.

Work continues during the renovation

Marcel Conradi remembers the hectic time during the renovation: "People were constantly running round, 10 to 15 people were working on different things at the same time. The greatest feat was that everything only took a few weeks – and was unbelievable fun for all of us."

The production process naturally continued during this time:
"Ottobock | Jos America more than confirmed its good reputation as a complete supplier and set up a practical emergency workshop for us."

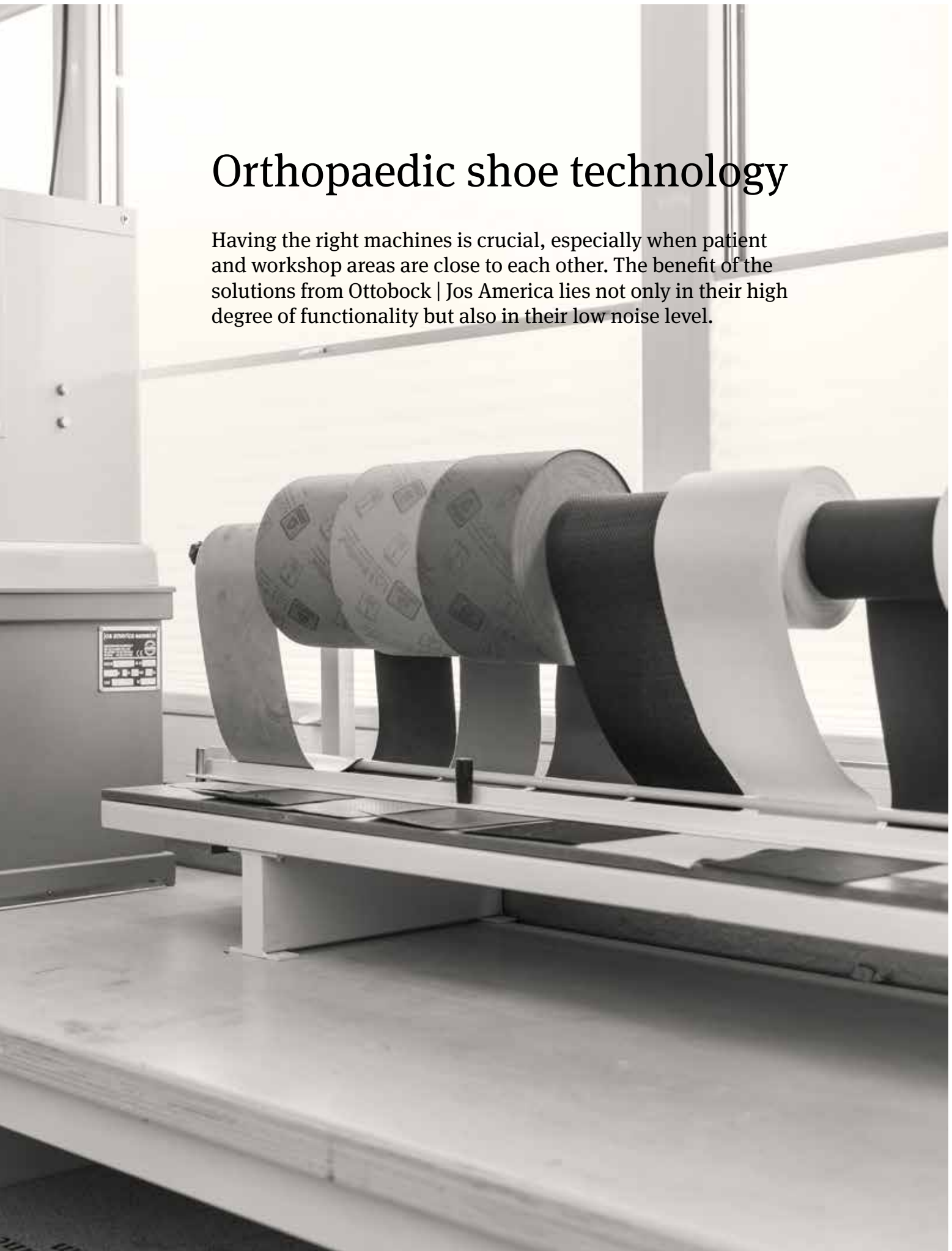






Orthopaedic shoe technology

Having the right machines is crucial, especially when patient and workshop areas are close to each other. The benefit of the solutions from Ottobock | Jos America lies not only in their high degree of functionality but also in their low noise level.



3.1 Sanders

Our product range includes a variety of sanders, enabling you to find the model that best suits you, your employees and your workshop. Below we present the smallest sander of its kind.

701L51=50 Flexam Compact S50 Sander

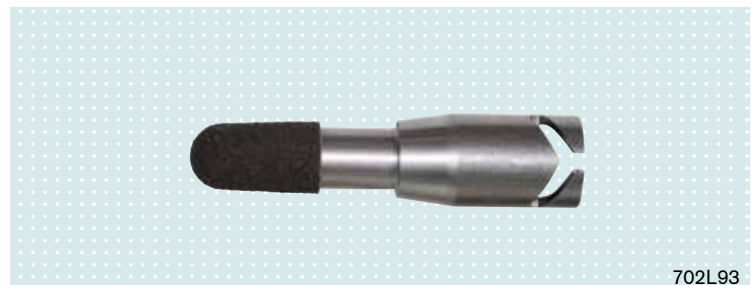
Small but powerful: the insole sander features impressively compact dimensions.

At the same time, the high performance of the suction and sanding belt motors is remarkable. This makes the little all-rounder perfect for highly professional work at small sites or even for use in patient areas.

The casing is made of steel, and all of the electronics are installed with dust protection – thus increasing service life. What's more, the working height can be adjusted individually with the aid of a console.

Technical data at a glance:

- Space required W x D x H:
500 x 750 x 1483/1583mm
plus a few centimetres of space between the wall and machine for the outflow of air
- Electrical connection in V/Hz/kW: 1x
230/50/1.85
- Material: steel
- Working height: 1070 or 1170mm
- Colour: light grey (RAL 7035)
- Accent colour: orange (RAL 2008)
- Your choice of accent colour upon request
- Weight: 200kg
- Sound pressure level: 74 dB(A)
- Convenient maintenance from the front



702L93



702L96

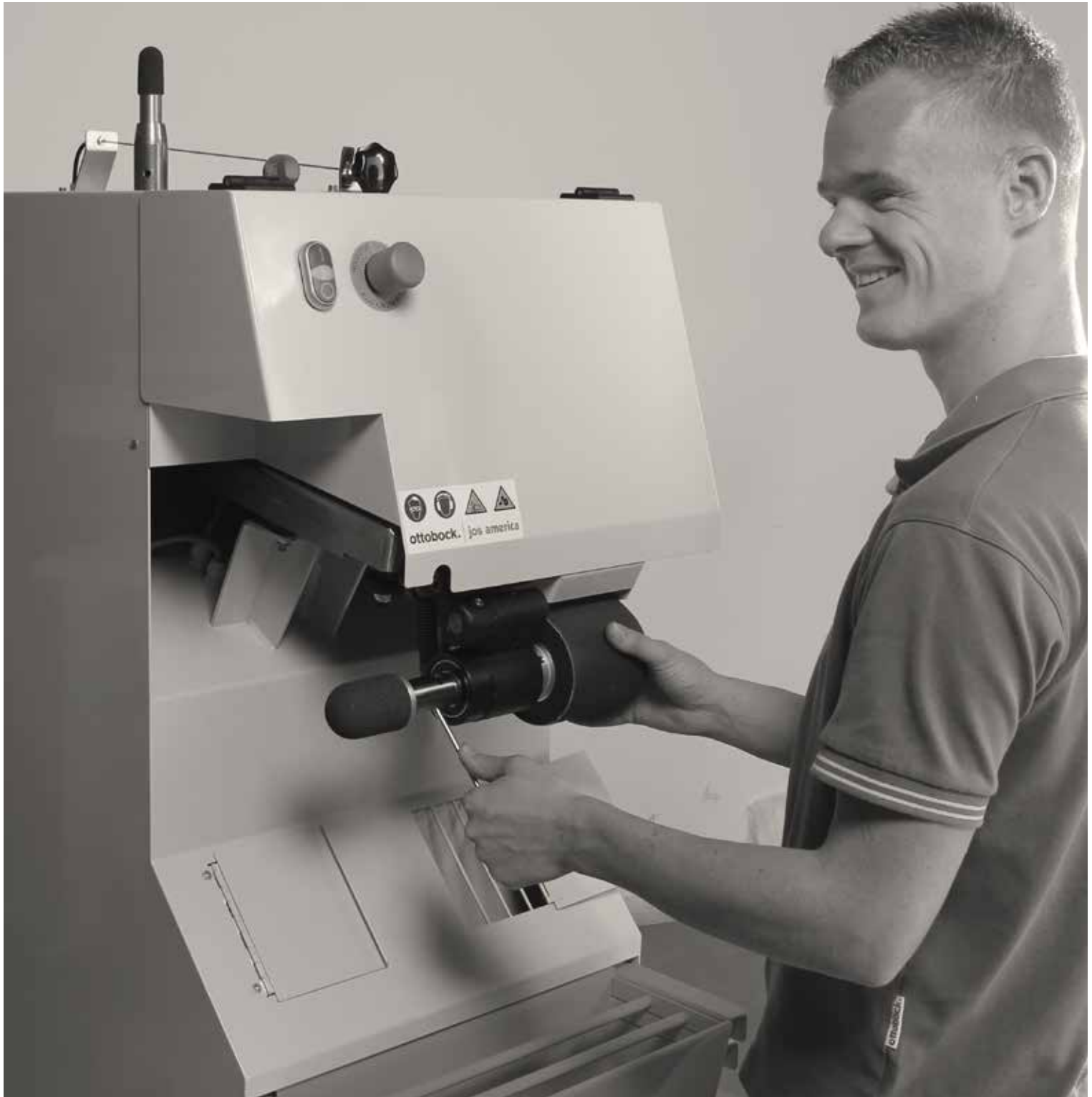


702L94

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Tools:

All products from Ottobock | Jos America are branded with the slogan 'Quality for Life'. This also applies to all components that we design for your work: our wide selection of tools helps you to perform your work in whatever way is easiest for you.



Planning and equipping example: Böcker Orthopädische Schuhtechnik in Ahaus, Germany

Always up to date with innovative technology

Böcker Orthopädietechnik likes to broaden its horizons – on a regular basis. That's why owner Christoph Böcker has turned to Ottobock | Jos America for the eleventh time with a request to upgrade one of his workshops. He wanted a machine with a work table to be adapted specifically for a new member of staff – who was 136cm tall.

A long and successful collaboration

The cooperation between the two companies began back in 1998. After passing his master craftsman examination in Hanover, Christoph Böcker recommended that his father buy a Flexam sander for the workshop in the centre of Ahaus. The most important reasons included the advanced technology of the machine and the extensive customisation possibilities offered by Ottobock | Jos America. Only this provider was able to build precisely the machine that he wanted. This was so successful that many other joint projects followed after he took over his parents' company in 2002.

Renovation, expansion and reorientation

First, the workshop in the city centre was renovated, expanding into the neighbouring building. In 2009, an additional site was opened directly next to the municipal hospital, and fitted with a completely new workshop.

In Wallstraße, the employees mainly take care of more simple fittings – orthopaedic insoles and the sale of shoes. With this site, the entrepreneur tapped into a new customer group: diabetes patients can now find the shoes they need right next to the hospital.

The growth continues

Due to the positive development of both sites, production capacities soon had to be expanded. In 2013, a spacious new production workshop was set up by Ottobock | Jos America in the industrial area Fockenstegge.

The employees—who now number 20—are delighted with the continuous improvements. A good example of this is Kai Bröring, the workshop manager who has been working for Böcker for 11 years. He is enthusiastic about new developments, such as the proven Flexam machines: the improved distances between the sanding belts now offer him enormous freedom when sanding, and the automatic height adjustment has become indispensable for Kai in the workshop.

A further highlight is the low noise level of the machines. This was immensely important because Böcker Orthopädie-Schuhtechnik opted for a workshop without a separate machine room. The low-noise Flexam machines enable the employees to perform their duties in the same room without noise pollution.



Only the best for the best

Christoph Böcker focuses systematically on deploying the best staff and the best machines. With this in mind, he followed the developments at Ottobock | Jos America when equipping his workshops: in 1998 he began with the Vacuum V60 dust collector, a precursor to today's extraction systems. The great extraction capacity of various Vakuu-V80 systems now plays a role in keeping his workshops clean and providing his employees with optimal protection from harmful dust. And because Christoph Böcker always maintains his machines carefully and has all new purchases from Ottobock | Jos America painted in the same yellow colour, the workshop radiates a very tidy and homogeneous appearance.

When people know each other - people trust each other

Over the years, the two companies have come to know each other better and better. The team at Böcker Orthopädie-Schuhtechnik is already looking forward to the next developments and visits from the cheerful team from Ottobock | Jos America. It is astounding how much fun the continuous improvement of a workshop can be: Christoph Böcker can only recommend it to his colleagues!





Böcker
Gesunde Schuhe
Christoph Böcker

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