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# Ottobock planning & equipping News and highlights

Your partner for the orthopaedic workshop

Quality for life

An Ottobock Group company

**jos america**





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### Ottobock | Jos America – Equipped for health

Health, safety and efficiency in the workplace play a vital role for you. That's why these aspects take top priority in the development of our workshop solutions – as they have for over 50 years.

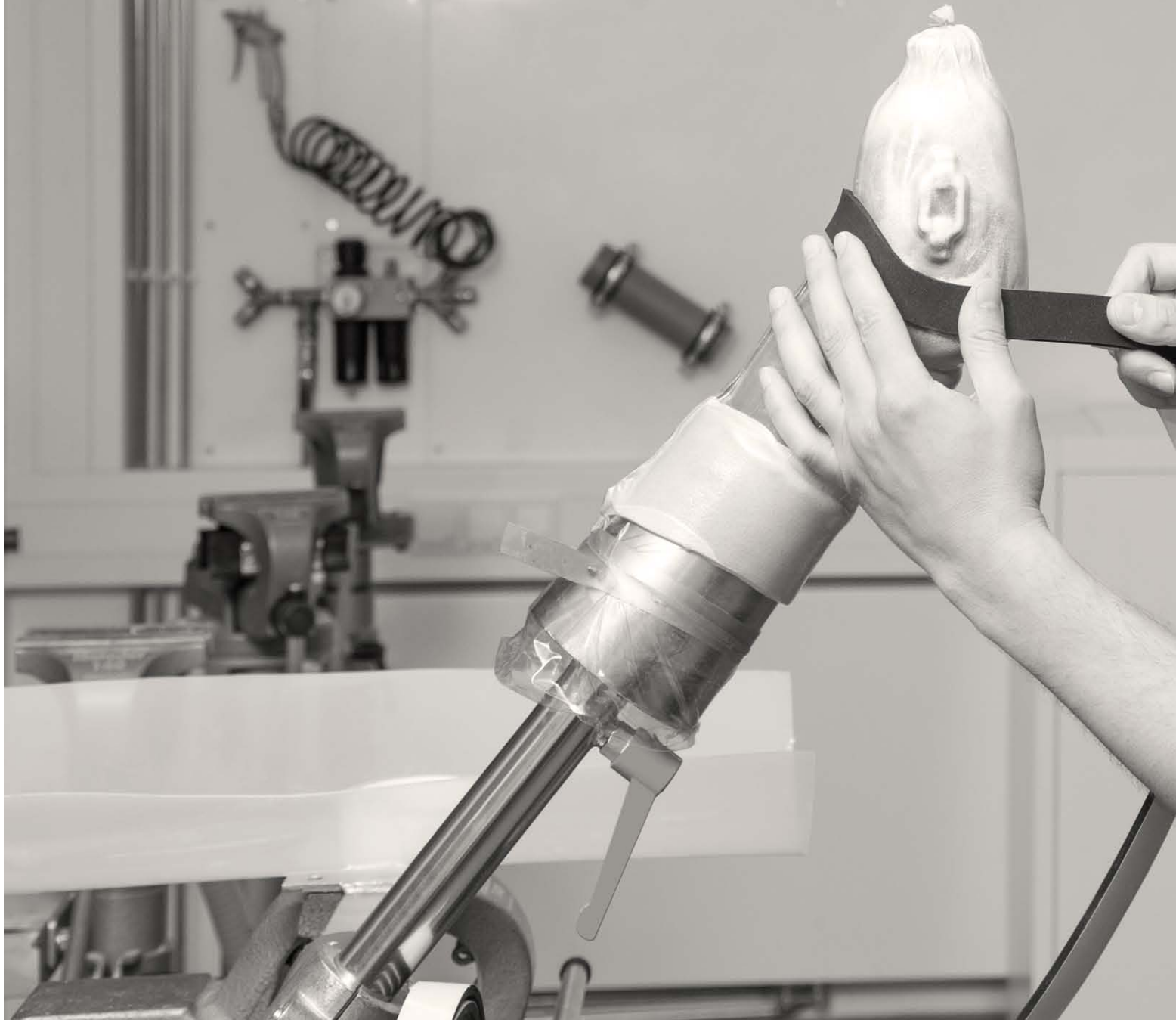
Using state-of-the-art technology, we manufacture machinery and workshop equipment at our own production plant in Nieuwkuijk in the Netherlands. We set the standards in dust and glue vapour extraction, noise reduction, air quality and ergonomic workplace organisation.

Thanks to the extensive portfolio of Ottobock | Jos America, we are able to offer you all related services from a single source, from consulting prior to acquiring new machinery to creating a comprehensive workshop concept to fully equipping your workshop. Just contact us: our experts are happy to provide you with individual advice at any time.

For details on our products,  
please visit our website  
**[www.ottobock-josamerica..com/en/](http://www.ottobock-josamerica..com/en/)**  
You can access the desired products  
directly by entering the article  
numbers in the search function.

# Orthopaedic technology: our new product features

In addition to your consulting skills and know-how, the right tools play a crucial role in providing the best possible fittings for your customers. We provide you with suitable solutions that allow you to work precisely, easily and efficiently.







With their open design,  
the vacuum forming tables  
in the D-series offer you a  
spacious workstation. Large  
storage surfaces ensure your tools  
are always within easy reach.



# 1.1 Plastic forming & vacuum forming

If you work with thermoplastic synthetic materials, it's impossible to imagine your everyday work without vacuum forming. So it's a good thing that ergonomic equipment is available, helping you complete the work as efficiently as possible.

755T1=\*

## D-series vacuuming forming tables

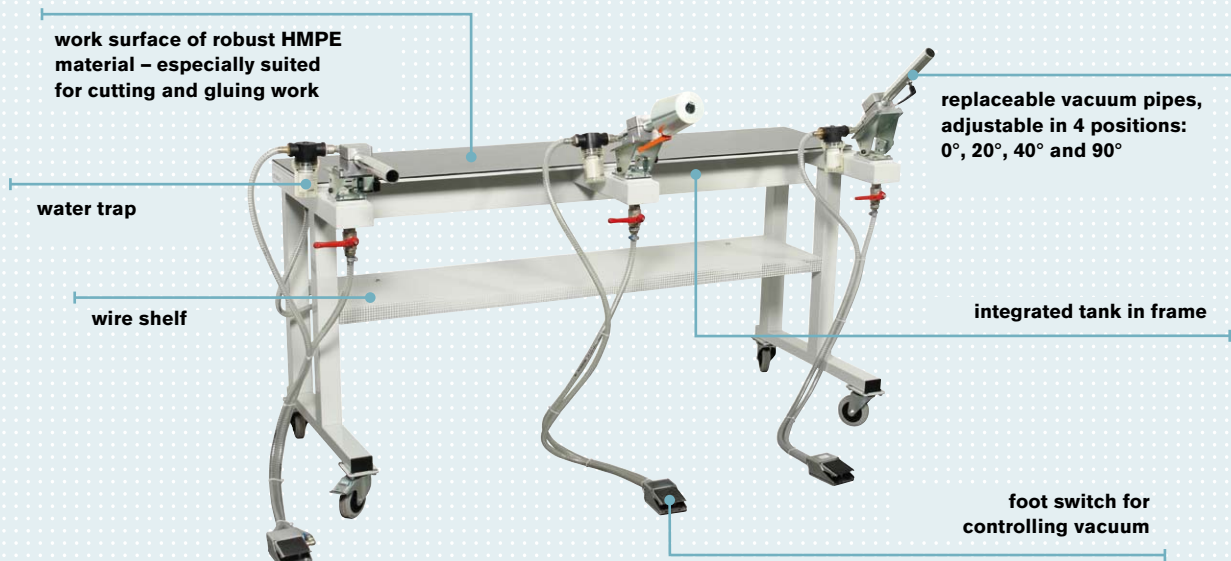
The D-series includes a range of compact vacuum forming tables, which can be equipped with up to 4 vacuum forming workstations.

The highlight of this product series: an integrated tank in the upper part of the vacuum forming table's frame. The tank temporarily stores a vacuum, so it's immediately available at the desired output level when you need it. The vacuum is extracted using a foot pedal so you can control extraction precisely while keeping both hands free for vacuum forming and moulding. And changing vacuum pipes is just as easy:

it takes only a few steps to replace them with other adapters and suction pipes, such as the conical vacuum pipe (article number 755X230=\*) or the vacuum forming adapter with vacuum forming plate (article number 755X180=R or 755X180=L).

### The vacuum forming table at a glance:

- 755T1=2 2 vacuum forming workstations
- 755T1=3 3 vacuum forming workstations
- 755T1=4 4 vacuum forming workstations





## 755X180=\* vacuum forming adapter

By replacing the traditional vacuum pipe on the D-series tables with a vacuum forming adapter that includes a vacuum forming plate, you can have even more room to manoeuvre.

The vacuum forming adapter consists of a vacuum pipe with a vacuum forming plate (diameter 360 mm), which can be mounted on either the left and/or right side of the vacuum forming table. The adapter also comes equipped with a foot pedal and a water trap. You can individually adjust the vacuum forming plate to your ideal working height, so you can vacuum form the heated plastic over the plaster model and remodel it as quickly as possible.

Thanks to a click system, the vacuum forming plate can be easily replaced in a matter of moments. 180 mm and 260 mm diameter versions are available separately.

### **The vacuum forming adapter at a glance:**

- 755X180=R vacuum forming adapter for connection on right side
- 755X180=L vacuum forming adapter for connection on left side
- Dimensions: WxDxH 360 x 700 x 600 mm
- Equipment: foot pedal for regulating the vacuum, vacuum pipe with replaceable vacuum forming plate (diameter 360 mm), Orthofix clamping device for clamping the vacuum pipe

### **Optional accessories:**

- 755 x 222= 180 vacuum forming plate Ø 180 mm
- 755 x 222= 260 vacuum forming plate Ø 260 mm







## 755X230=★ conical vacuum pipe

The innovative conical vacuum pipe is another adapter alternative which makes vacuum forming even easier.

During vacuum forming, the thermoplastic material is applied directly over the cone-shaped vacuum pipe. Once the vacuum-formed model has cooled, it can be pulled off the adapter with just a few turns - it doesn't need to be cut free.

### The conical vacuum pipe at a glance:

- 755X230=65 conical vacuum pipe Ø 65 mm
- 755X230=85 conical vacuum pipe Ø 85 mm
- 755X230=110 conical vacuum pipe Ø 110 mm

### How it works:

**1 + 2** Mould the plastic over the conical vacuum pipe.

**3** Rotate the cooled plastic to loosen it from the vacuum pipe and continue working on it.



## 1.2 Workshop

Sophisticated and ergonomically designed equipment helps you do your work as efficiently and safely as possible, and simplifies your everyday work routine.

### 704Y40 vice jaws

With our vice jaws with a pyramid recess, you'll be able to precisely fit the shape of corresponding prosthetic components when clamping them.

Thanks to the perfect-fit recess, the prosthetic components can be tightly clamped and machined precisely without any play. The position of the recesses on the upper and side edges of the vice jaws allows for both horizontal and vertical clamping of the workpiece.

In contrast to standard vice jaws, this version features a smooth surface to prevent damage to the pyramid adapter. After use, the magnetic vice jaws can be easily removed by hand and the vice immediately used for other purposes.

**The vice jaws at a glance:**

- recesses allow for precise clamping of prosthetic components with a pyramid adapter
- pyramid remains intact
- magnetic for easy attachment to the vice
- pyramid adapter can be clamped both horizontally and vertically



## 1.3 Fitting room

When you work quickly and precisely in the fitting room, you're not just being considerate to your patients: you're saving valuable time for both them and yourself. Our practical medical devices support you in this work.



### 711Z5=★ bandage clamp

Simple, but extremely effective: the bandage clamp supports you as a helping "third hand" when fastening bandages and dressing materials for orthoses and prostheses.

The clamping surface of the clamp is serrated to ensure it remains firmly fixed. A locking mechanism allows bandages to be temporarily clamped, leaving you with both hands free for your work.

#### **Bandage clamps at a glance:**

- 711Z5=1 bandage clamp with straight head
- 711Z5=2 bandage clamp with curved head
- the clamp functions as a helping "third hand", leaving you with both hands free for your work
- allows materials to be fixed temporarily so you have plenty of time to carry out cutting, marking, measuring or other work

# Planning and equipping example: orthopaedic facility in Amman, Jordan

**The Nabil Khashman Center in Amman, Jordan is headed by Mr Nabil Khashman. Mr Khashman's first contact with the disciplines of orthopaedics, orthopaedic footwear technology and podiatry was a very personal one: he spent a great deal of time travelling the world together with his son, Hussam, looking for a suitable treatment method for the boy's bone abnormality.**

This trip and the insight it gave Khashman into the wide variety of ways prostheses and orthoses help users was the initial spark for his desire to open his own orthopaedics centre in Amman, the capital of Jordan. And Khashman prepared meticulously before making this wish a reality: between 2003 and 2009 he visited numerous orthopaedic centres and participated in orthopaedics courses in Europe to expand his knowledge of orthopaedics technology and workshop equipment.

It was during this period that Khashman also came to know and appreciate the machines produced by Ottobock | Jos America. He wrapped up his trips to the EXPOLIFE trade fair in Germany by visiting the showrooms of Ottobock | Jos America in Nieuwkuijk in the Netherlands so he could get to know the company's innovative machinery better and test it extensively.



And in 2010, Mr Khashman's dream became a reality with the opening of his own orthopaedic centre, the Nabil Khashman Center. At the centre, Khashman produces prostheses, orthoses and inserts together with his son Hussam and three other employees. A separate floor is also dedicated to a special training centre, where Mr Khashman and his son work closely with specialists from Isra University Hospital to provide their customers with services such as gait training.

After all, the Khashman family knows from their own experience just how important it is that prostheses and orthoses fit perfectly and are optimally adapted to patients' needs. That's why precision is of paramount importance at the Nabil Khashman Center, which treats patients from Jordan and surrounding countries such as Syria, Libya and Iraq, and is one of the most modern facilities in the region.

To meet his own exacting standards, Nabil Khashman equipped his workshop entirely with machines from Ottobock | Jos America. Among the machines installed were state-of-the-art dust, steam and floor extraction systems to provide employees with an ideal and safe working environment. The height-adjustable machines are a further advantage when it comes to occupational safety.

And with regards to service, Mr Khashman once again found Ottobock | Jos America to be a competent and reliable partner that addresses his technical queries and quickly resolves them to his satisfaction.





# Orthopaedic footwear technology: our product highlights

Just like orthopaedics, orthopaedic footwear technology incorporates a wide variety of materials. In addition to traditional materials like leather and nails, these include plastics, plaster and countless high-tech materials. Ottobock | Jos America offers you the right machines and tailored solutions for your orthopaedic footwear technology operation.





With a clear width of 450 mm, the orthopaedic high-speed press is ideally suited for pressing soles and inserts onto lasts with a height of up to 450 mm.





## 701L500 orthopaedic high-speed press

With the orthopaedic high-speed press from Ottobock | Jos America, soles and inserts can be pressed in no time at all.

The press features burr-free press rods of hardened steel and a new clamping system which allows the press rod to be clamped and released in one easy step. The desired contact pressure can be adjusted incrementally with a touch of a button and is immediately indicated on the manometer.

The press is available both as a tabletop model and as a compact unit with a base cabinet. The pressurised air cushions can be replaced with the help of a quick-change system.

### 702L182 milling cushion, half-height



### The orthopaedic high-speed press at a glance:

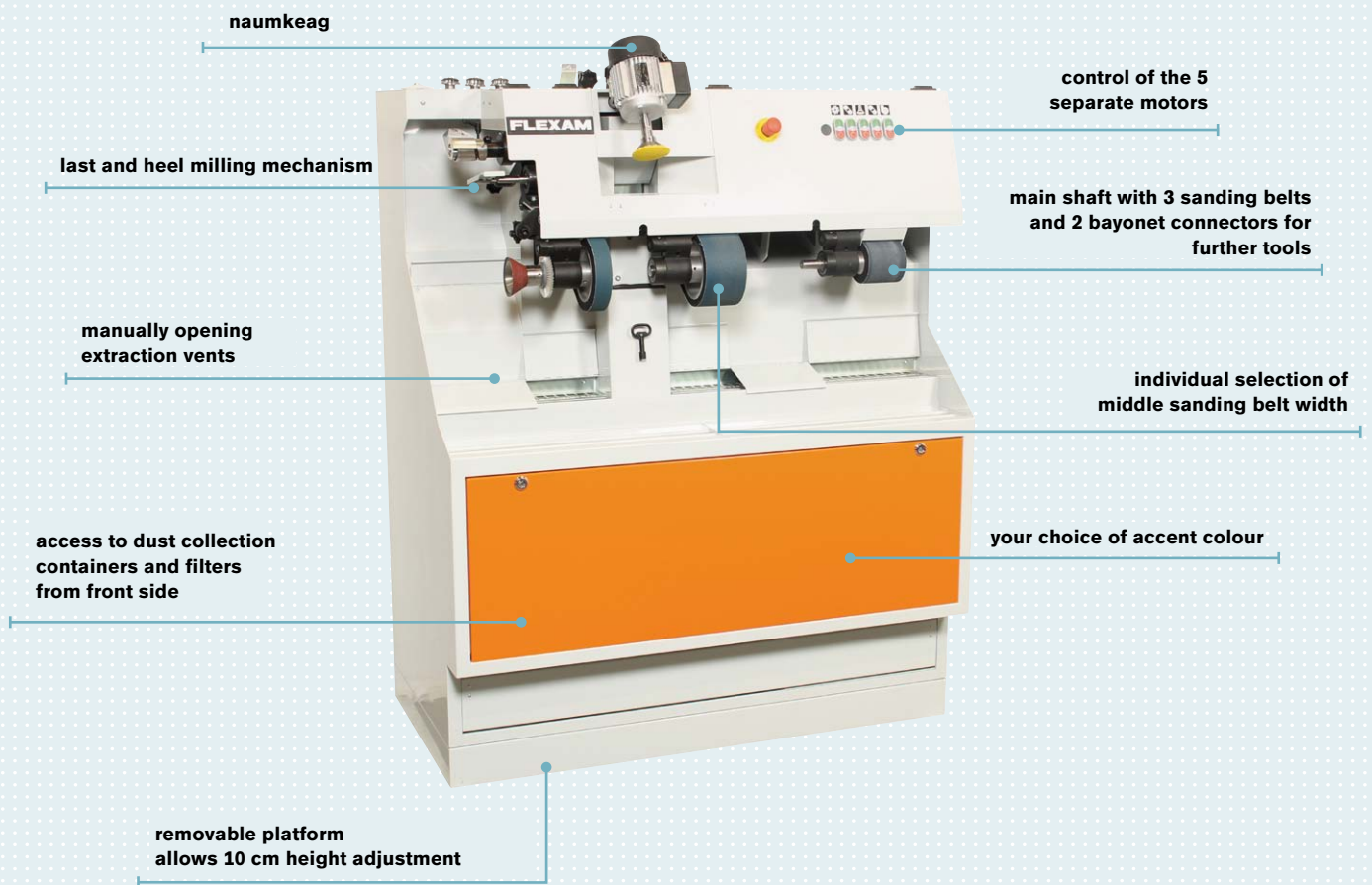
- dimensions: W x D x H 250 x 500 x 1,200 mm
- weight: 45 kg
- working pressure: 8 bar
- upon request, we can supply the press with an integrated compressor.

### Accessories:

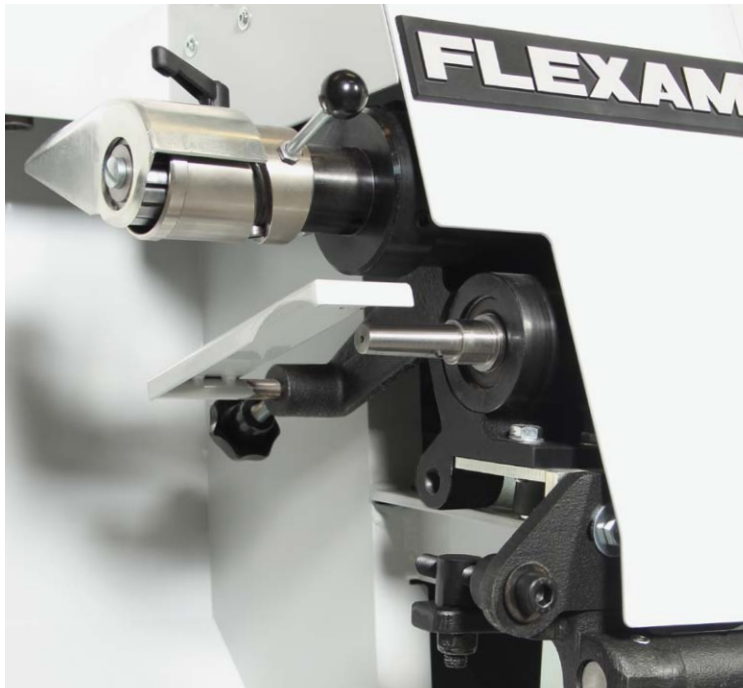
- 702L180 three-quarter cushion
- 702L181 full cushion, flat
- 702L182 milling cushion, half-height

### 702L181 full cushion, flat





This compact grinding and milling machine with a naumkeag and integrated dust extractor is an optimal stand-alone and starter solution for processing lasts and inserts and for the basic construction of orthopaedic footwear.



## 701L61=FSB130 Flexam Compact FSB 130 Ortho

The Flexam Compact FSB 130 Ortho is a compact grinding and milling machine that comes with a broad range of options.

This compact grinding and milling machine, which includes a naumkeag, is the ideal assistant for processing lasts, heels and soles. The width of the middle sanding belt can be adjusted when ordering so that the machine is ideally suited to your requirements. Two bayonet connectors offer further scope for adjustment, allowing you to connect a wide variety of different tools to the machine.

The Flexam Compact FSB 130 Ortho is equipped with an integrated dust extractor. Thanks to comprehensive acoustic insulation the machine's sound intensity level is just 73 dB(A) – with no reduction in extraction performance. A removable platform, which allows the working height to be adjusted individually, along with a range of easy-to-clean filter units, also help keep you safe while you work.

### **The Flexam Compact FSB 130 Ortho at a glance:**

- dimensions: WxDxH 1,300 x 750 x 1,585 mm
- electrical connection in V/Hz/kW: 3x 400/ 50/ 4.0
- 5 separately controlled motors
- sanding belts run individually
- your choice of accent colour



## 701Z80 extraction system V80 Compact All-in-One

The V80 Compact All-in-One dust extractor combines a filter and air-return in one device and takes up very little space.

Thanks to its compact dimensions, this extraction system is ideal for working environments where there is no space for a central dust extractor in a separate equipment room or the ceiling height is too low to install the air return below the ceiling. The extractor's low noise level of just 59 dB(A) means it can be installed directly in the workshop. At the same time, the dust extractor's impressive features include an extraction volume of 3,000 m³/h and a filtering system developed especially by Ottobock | Jos America for optimal protection against fine dust. Plus, an integrated control unit ensures optimal extraction performance and efficient filter cleaning without the use of compressed air.

### **The V80 Compact All-in-One extraction system at a glance:**

- dimensions: W x D x H 1,600 x 855 x 1,880 mm
- required work space: W x D x H 1,600 x 1,650 x 1,900 mm
- sound intensity level: 59 dB(A)
- electrical connection in V / Hz / kW: 3 x 400 / 50 / 3.0
- weight: 560 kg
- nominal volume: 3,000 m³/h
- max. negative pressure: 2,900 Pa





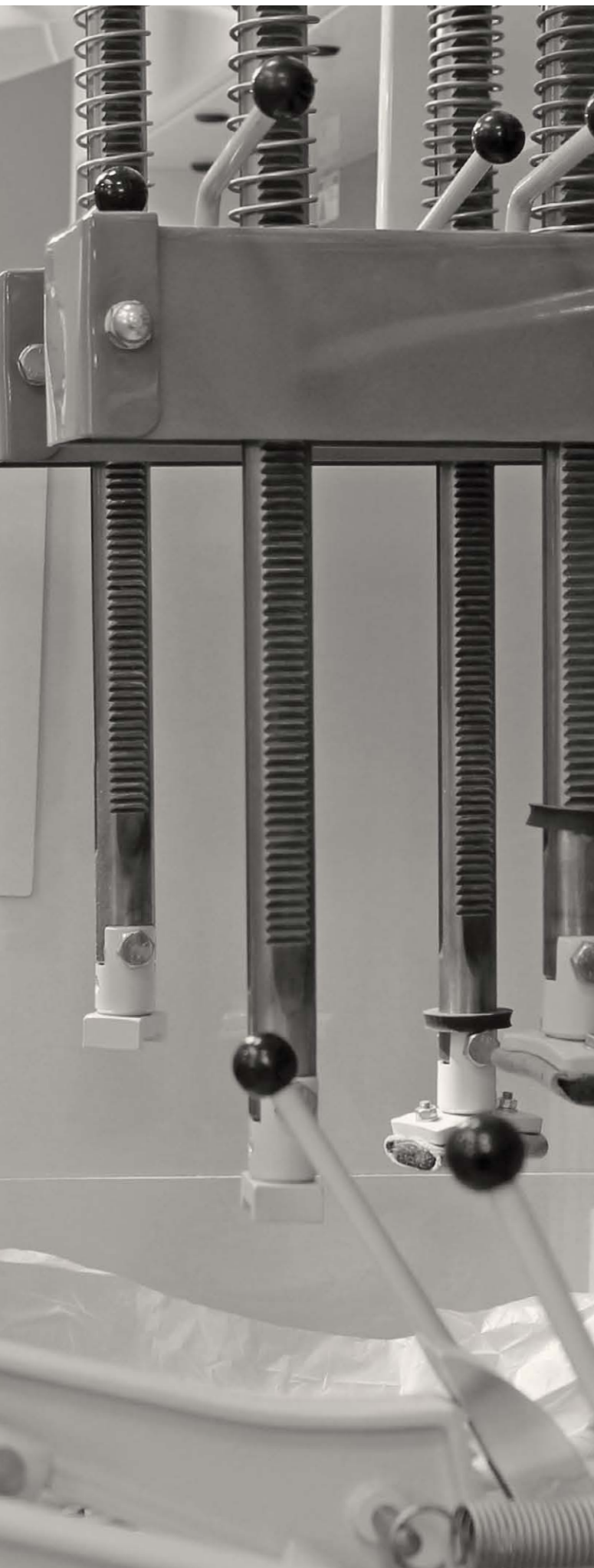


The V80 dust extractor is available as both a centralised and decentralised extraction system.



## Where customers and employees come first

Kees-Ger Verweij, owner of Heine-Verweij Orthopedische Schoentechniek, didn't hesitate to move his long-established company to another city to make his vision of a modern, appealing and open business a reality.



## Planning and equipping example: Heine Verweij Orthopedische Schoentechniek

The company moved into a spacious building in Zaandam, which Verweij nonetheless had fully reconstructed prior to the move. His goal was to offer his customers a high level of comfort and convenience in a modern setting. A place where the customer comes first and feels that they are in good hands. And it's immediately evident upon entering the lobby that this requirement has been met: the reception and an open waiting room are located here. From here, patients also have an unobstructed view of various illuminated cube-shaped rooms, which have been situated freely in this area without connecting to the ceiling.

These function as fitting rooms, while two further cubes serve as treatment rooms for a medical chiropodist and a podiatrist/podotherapist – and the area between them acts as a test track for users to try out their new footwear. "By concentrating various disciplines in this way, customers can be fitted more quickly overall," explains Verweij. The owner is not only an orthopaedic technician, but is also dedicated to the aesthetic quality of his products.

So it's equally important to him that users can walk well when wearing his orthopaedic footwear, and that they look good too. This focus on aesthetics is immediately apparent with a glance at his spacious, bright and very colourful workshop: "Ottobock | Jos America fulfilled this wish for me too, and had our machines painted a vibrant lilac. Combined with warm grey hues, the result is not only an atmosphere in which my employees feel good, but also an environment where I can give interested customers a glimpse behind the scenes," says Verweij.

The structured segmentation of the work spaces planned by Ottobock | Jos America, and the extremely low-noise Flexam machines fitted in them, are also representative of his dreams for his workshop. Customers are impressed right across the board, and Verweij is also very satisfied with his new consulting rooms and workshop. After all, he has accomplished precisely what he wanted: a practical and appealing working environment that allows him to focus all of his attention on the individual needs of his patients.

**Showroom Ottobock | Jos America**

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