

A black and white photograph of a male technician in a factory setting. He is wearing safety glasses, large over-ear headphones, and a dark apron over a light-colored polo shirt. He is focused on working with a large, complex industrial machine, which is part of the Flexam series. The machine has various components, including a motor and a grinding wheel. The background shows a typical industrial environment with overhead lights and structural elements.

ottobock.

Quality for life

# Flexam Machines

All-round machines for orthopaedic  
footwear technology

Information for technicians

An Ottobock Group company

**jos america**



# One series of machines – countless possibilities

It's impossible to imagine orthopaedic footwear technology without Flexam machines today. Whether fabricating lasts, insoles, uppers and soles, or finishing and repairing footwear – Flexam machines provide optimum support for the work of shoe technicians across generations.

“Flex” is what it's all about, as the machines can be configured for your individual requirements with full flexibility, adapting them entirely to your needs. In this way, we help you do your work quickly and efficiently – just the way you want.

Whatever your Flexam machine may look like, it always comes with two characteristics: top-quality workmanship for the longest possible service life and an intelligent design that protects your health to the greatest possible extent with an ergonomic layout, aerodynamic dust extraction and integrated sound insulation.



# A perfect design – down to the last detail

## Good for your day-to-day work and your health.

Our machines are designed to minimise health risks to the greatest possible extent while enhancing occupational safety.

- Fine dust that poses a health hazard is extracted at the source, as every sanding belt is fitted with an extraction channel
- Only the extraction ports where work is being performed are opened thanks to sensor control. This means full extraction capacity is available precisely where it is required
- Extraction channels with optimised aerodynamics enable maximum extraction without dissipation losses
- The ergonomic design and automatic height adjustment feature prevent postural problems and let you work in comfort



## Unparalleled quality is a given for you. And for us, too.

Jos America has been producing and continually enhancing its machines since 1981. The result is quality you can see, hear and feel – and that has a highly positive impact on your day-to-day work.

- A closed back wall combined with additional sound insulation results in significantly lower noise levels
- Runs very quietly thanks to its robust design
- Flexam machines offer plenty of space around the sanding belt for processing large workpieces such as large lasts or very high shoes

## Equipment options that make your work easier.

You can further adapt the Flexam Executive machines to your needs with numerous optional equipment details. Touchscreen control is one example, opening up a variety of new possibilities for you.

- Maximum user-friendliness: controls in the language of your choice
- Storage options: by configuring various user profiles, the workstation can be set up individually at the push of a button
- Automatic ordering: consumables can be reordered conveniently by email
- Remote service: faults can be diagnosed remotely and in many cases corrected. Software updates are easy to perform online



## Custom versions – unique equipment.

No two people are the same. And the machines in the Flexam Executive Series take this into account. That's why we let you configure your Flexam exactly as you want it. Having all the required expertise right here, from the development department to the paint shop, is what makes this possible. In this way we can respond to your individual wishes and, for example, adapt the Flexam so it can be operated by people of small stature, employees in wheelchairs, or persons who can no longer stand for extended periods.



# Three successful models for your workshop

## **Flexam Executive Series:**

If you want to set up a train of orthopaedic footwear technology machines, it's worth selecting the Flexam Executive Series machines with a connection to a central dust extraction system. The machines are available with various equipment including milling cutters, sanding belts, naumkeag, a last roller and a polishing section.

## **Flexam Compact Series:**

Small size, great possibilities: the "Flexam Compact" is the space-saving alternative among the Flexam machines. The Compact also features only the best components to guarantee maximum quietness and a long service life. All Flexam Compact machines are equipped with a powerful dust extraction system, ensuring optimum protection against fine dust for your employees.

## **Flexam custom fabrication:**

What makes the Flexam machines special is their unique flexibility. The equipment can be custom assembled according to your needs, so you can optimise your workflows. All of the machines score points with first-rate workmanship and an especially long service life. After all, we know your work requires machines that perform just as professionally as you do.



# Flexam Executive Series: top-quality machines with intelligent details



We offer the Flexam Executive in a selection of basic versions. These machines can be equipped with sanding belts, milling cutters, naumkeag, last rollers and Widia rollers. This allows you to choose the precise machine that best fits the services you offer – and to extensively customise it in these three simple steps.

- Select a basic version of the Flexam Executive
- Add optional accessories to completely suit your needs and preferences
- Share your colour requests or special requirements with us

And that's it – our experienced specialists then fabricate your very own Flexam in our plant in the Netherlands. In the same high quality that Jos America and Ottobock have always represented. By the way: no matter which of the Flexam Executive versions you choose, it is always connected to a central dust extraction system. If you prefer a model with integrated dust extraction, we recommend the Flexam Compact. To ensure the Flexam Executive extracts dust perfectly and has a long service life, we plan it individually for you – from the extraction ducts to the right extraction system.





701L20=S85

#### Flexam Executive S

Equipped with one or two sanding belts and up to two bayonet connectors.



701L21=SB125

#### Flexam Executive SB

Equipped with up to three sanding belts, up to two bayonet connectors and a naumkeag with counter-clockwise and/or clockwise rotation.



701L25=FSB115

#### Flexam Executive FSB

Equipped with a milling section, up to three sanding belts, two bayonet connectors and naumkeag with counter-clockwise and/or clockwise rotation.



701L22=SBW105

#### Flexam Executive SBW and FSBW

Equipped with two sanding belts, a naumkeag with counter-clockwise and/or clockwise rotation, a Widia roller, a bayonet connector and, upon request, a milling section.



701L70=FSBP185

#### Flexam Executive FSBP

Equipped with a milling section, up to three sanding belts, a naumkeag with counter-clockwise and/or clockwise rotation, up to two bayonet connectors and a polishing section with two polishing wheels.



701L24=LSB115

#### Flexam Executive LSB and FLSB

Equipped with a pneumatic last sanding roller, two sanding belts, a naumkeag, a bayonet connector and, upon request, a milling section.

# Standard equipment



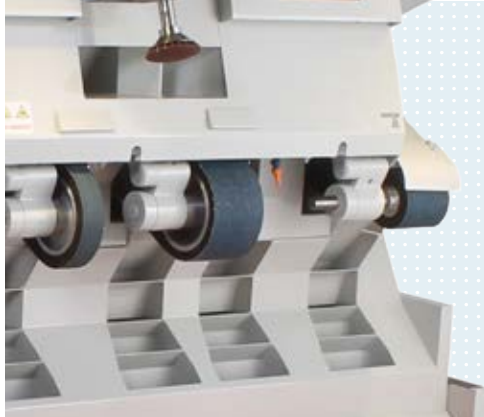
## Paper shelf

Replaced by tool holder on machines with a milling section

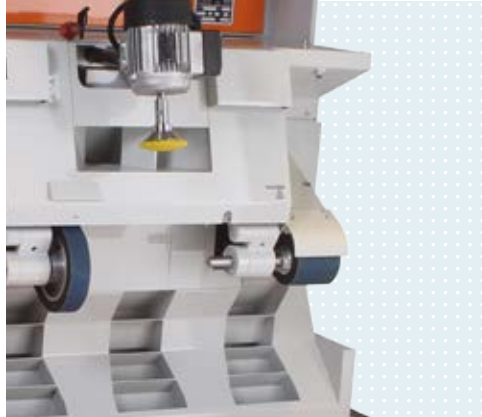
- ADDS air curtain between the operator and sanding belt
- LED lighting (two spotlights)
- Cabinet: including floor extraction system, automatic height adjustment, two compressed air connections, air gun, pressure gauge, pressure reducer, tool storage, floor unit with two drawers
- Sensor-controlled extraction at the sanding belts and bayonets
- Closed back wall
- Air-cooled motor protected against dust

- Insulated to reduce noise level
- Individually adjustable sanding belt tension
- Moveable control panel – illuminated switches
- Removable, spacious collection container
- Opening front assisted by pneumatic springs
- Emergency stop switch
- Port for external extraction system
- Internal cleaning of motor compartment
- Main colour light grey (RAL 7035), accent colour orange (RAL 2008)

# Optional equipment



**AACs: compressed air nozzle**  
Foot-operated compressed air nozzle.



**Freedom**  
Extra recess on the sanding belt allows more space for sanding lasts and high shoes.



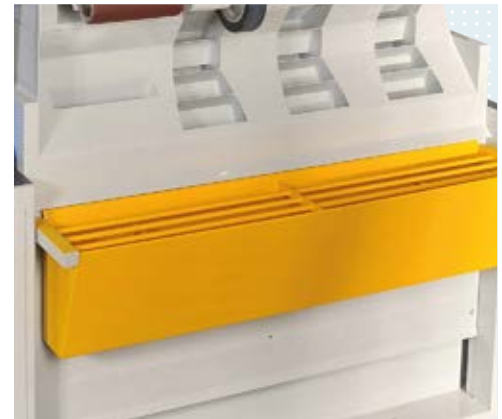
**Control panel: touchscreen**  
Individual control, personal profiles and remote maintenance.



**Lighting: LED flood lamp**  
Additional LED flood lamp, supplementing the two LED spotlights for optimum illumination of the workstation.

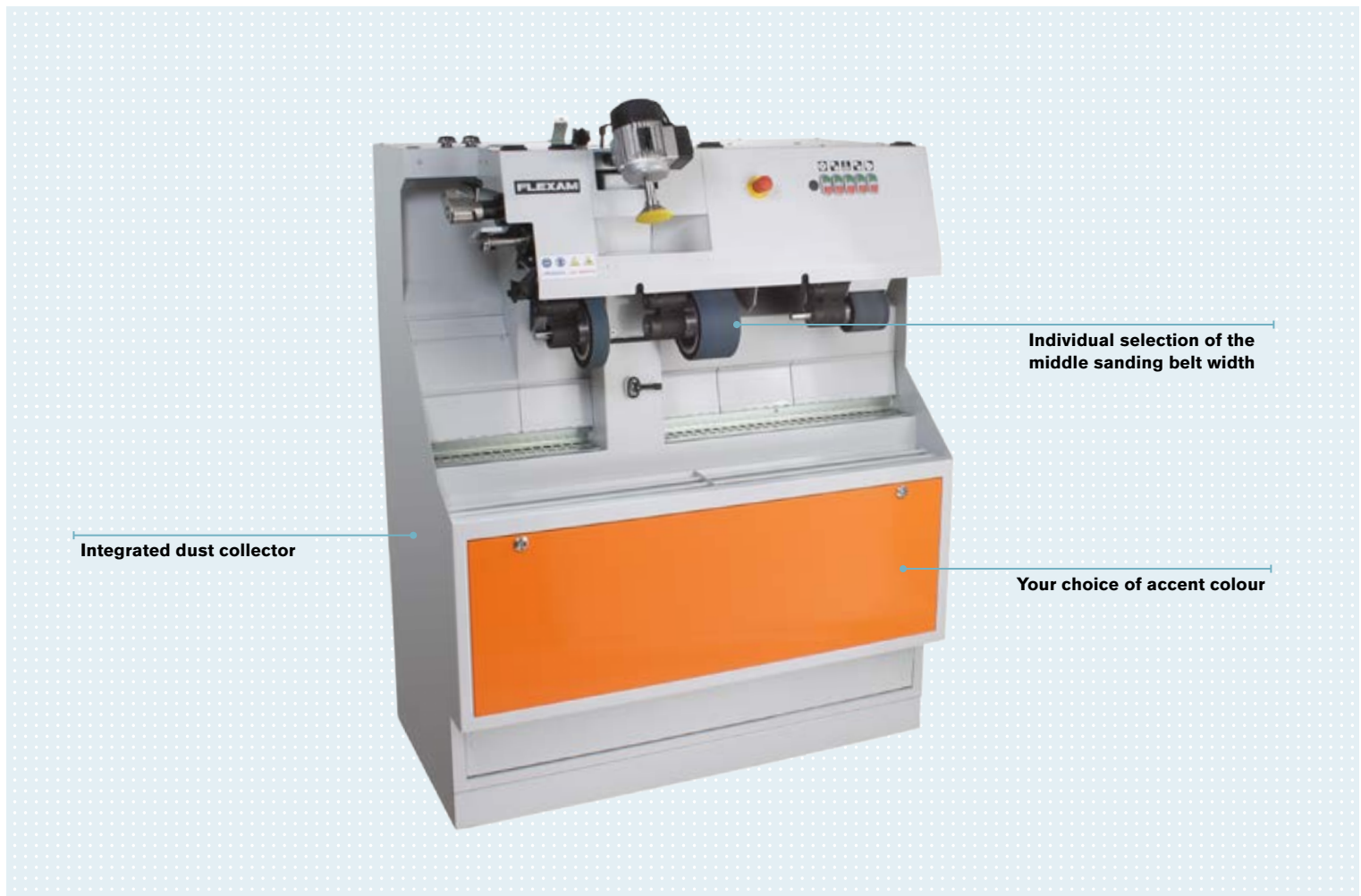


**Sensor controlled extraction at the naumkeag**  
As soon as a workpiece is processed on the naumkeag, dust extraction is activated and only the extraction ports on the naumkeag are opened for full extraction performance.



**Accent colour**  
Design your workshop the way you like it – our in-house paint shop produces machines to match your design.

# Flexam Compact series: big solutions in a small space



The Flexam Compact machines are the ideal solution if you have little space or only a small train of machines you use to fabricate orthopaedic footwear. The machines are equipped with a naumkeag and polishing, milling and/or sanding sections. Thanks to powerful motors, the performance of the Compact machines is impressive. A robust design ensures quiet running characteristics which are essential for precise workpiece processing. A special

highlight of the Flexam Compact machines is the integrated, powerful yet quiet dust extraction system (up to max. 78 dB [A]). It removes all chips and dust created during milling or sanding. You simultaneously save costly space in your workshop and the installation expenses for an external dust extraction system as well as the corresponding ducts between the dust extraction system and the Compact machines.





#### **Flexam Undercover 100**

The Undercover 100 is ideal for making small corrections in hospitals and measuring rooms without leaving a trace.



#### **Flexam Compact S50**

The Flexam Compact S50 is a professional, compact insole sanding machine. Its basic equipment includes a bayonet connector and sanding belt.



#### **Flexam Compact SB75**

The Flexam Compact SB75 is equipped with a naumkeag, a narrow 40 mm sanding belt and your choice of a 40 mm, 75 mm or 100 mm sanding belt.



#### **Flexam Compact P110**

The Flexam Compact P110 combines the advantages of the Flexam Compact SB75 with the addition of a polishing section with two polishing wheels.



#### **Flexam Compact FSB 130**

The Flexam Compact FSB 130 is a compact milling and sanding machine suitable for processing lasts, heels and soles.



#### **Flexam Compact FSBP 115**

The Flexam Compact FSBP 115 is known for its compact design, high reliability and reasonable price.

# Flexam custom fabrication

No two people are the same. We think machines should adapt themselves accordingly. Just the way custom products from Ottobock | Jos America do.

## **At Ottobock, we put people first**

That's why we build our machines so they adjust to the user – not the other way around.

Designed according to your specifications: machines from Ottobock | Jos America are built just the way the customer wants them. Having all the required expertise right here in-house is what makes this possible: our development department can carry out individual adaptations, which are then implemented in our own production plant with its metal processing facilities, our own paint shop and our own assembly department. This also allows us to carry out production on a custom basis according to customer needs.

With their in-depth knowledge and proven expertise, our employees now build custom machines on a daily basis. The success speaks for itself – demand for our custom machines is growing every year.



We modified one Flexam machine, for example, so the worktop could be lowered to a height of 60 cm. Thanks to this modification, people of very small stature can work at it as well.



Wheelchair users can also work at our machines while sitting. We simply create the required space in the lower section of the machine.



We have even found a solution for people who are unable or no longer able to perform sanding work whilst standing for long periods: we mount a comfortable seat on a guide rail manufactured specifically for this purpose.

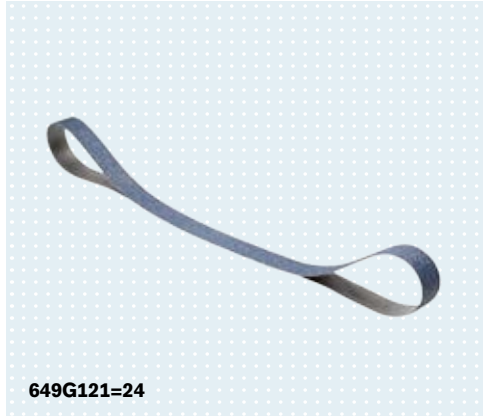
# Flexam accessories: perfectly tailored to your machine



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. A wide range of work steps are required to complete an orthopaedic shoe. Numerous materials are used as well: in addition to traditional materials like leather and nails, these include plastics, plaster and countless high-tech materials. All work steps are far more efficient when the tools and consumables are perfectly tailored to your work. We provide you with suitable solutions that

allow you to work precisely, easily and efficiently. Our portfolio of tools and consumables contains everything you need – from simple sanding belts to complete tools with bayonets. Please contact us for a complete overview of our tool and consumables portfolio.





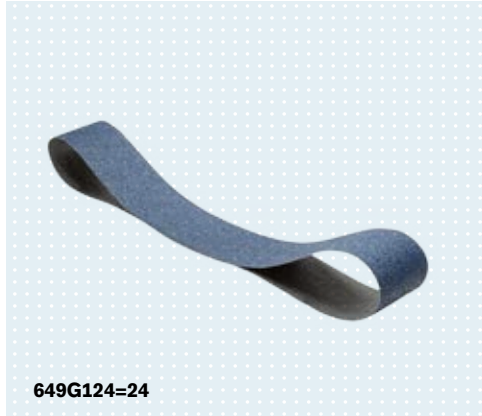
**649G121=24**

**Sanding belt 1,650 x 40**

Sanding belt width: 40 mm

Sanding belt length: 1,650 mm

Grit: available in 24, 36, 60, 80, 120 grit



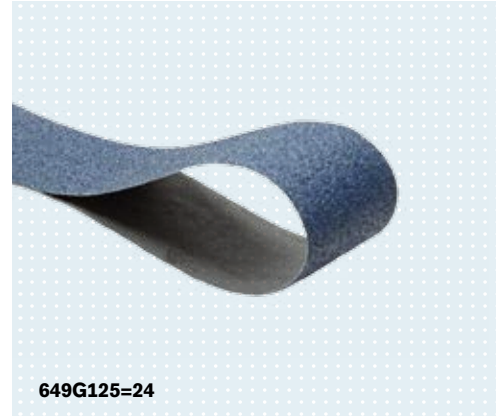
**649G124=24**

**Sanding belt 1,480 x 100**

Sanding belt width: 100 mm

Sanding belt length: 1,480 mm

Grit: available in 24, 36, 60, 80, 120 grit



**649G125=24**

**Sanding belt 1,650 x 100**

Sanding belt width: 100 mm

Sanding belt length: 1,650 mm

Grit: available in 24, 36, 60, 80, 120 grit

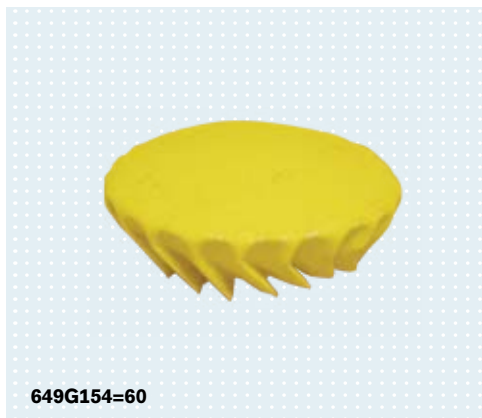


**649G153=80**

**Sanding sleeve for naumkeag**

Diameter: 130 mm

Grit: available in 80, 100, 120, 180 grit



**649G154=60**

**Sanding sleeve for naumkeag**

Diameter: 90 mm

Grit: available in 60, 80, 100, 120, 180 grit







# Enthusiastic users – our best references

**“I make sure my employees have  
the best working environment”**

Maria Verbeek, Van Dalen Voet & Schoencentrum,  
Delft, the Netherlands

“Attractive, top-quality equipment motivates employees”, says Maria. So when Maria was looking for machinery at the trade fair in Leipzig two years ago, the equipment from Ottobock | Jos America naturally caught her attention straight away with its orange colour scheme. Today, Maria is enthusiastic when she describes the company's collaboration with Ottobock | Jos America: “When it comes to our working environment, where I want my team to deliver top performance and top-quality products, I am extremely thorough. We're a relatively small company. If you want to survive these days, you have to be decisive and work with the very best.”



**“Ottobock | Jos America is the only  
place where you can view and try  
out all the machines in one spot!”**

Mathieu Toussaint, Orthopédie Toussaint,  
Fleurus, Belgium

Ottobock | Jos America also gave a lot of thought to the arrangement of the space and set up the machines in Fleurus, Belgium in such a way that daylight can flow freely into the room, illuminating the entire workshop. “We're part of nature here; we can see wild rabbits and hear birds singing”, says Matthieu Toussaint, adding that the positive effects of all these measures can be seen and felt directly.





## “From the dream list of ideas to the finished workshop”

Peter Reumkens, Reumkens Voet & Zorg,  
Venlo, the Netherlands

We were looking for a pilot company we could cooperate with to fine-tune our touchscreen control system in practice. And then it happened: Reumkens Voet & Zorg orthopaedic workshop in Venlo, the Netherlands was so impressed by this innovative operating method that it now uses five Flexam machines with touchscreen controls on a daily basis! “Having made some comparisons, I’m now certain that I have the best machines in the world in my workshop,” says Peter Reumkens, discussing his decision to pursue the highest quality for his operation.



## Successful collaboration

Orthopädie-Schuhtechnik Böcker, Ahaus, Germany

Orthopädie-Schuhtechnik Böcker 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. Cooperation between the two companies began back in 1998 with the purchase of a Flexam sanding machine. The most important selling points included the advanced technology of the machine and the extensive customisation possibilities offered by Ottobock | Jos America.

## Our new workshop meets unusual requirements

l'École de Reconversion Professionnelle,  
Metz, France

Claude Stricher, Professor for Orthopaedic Footwear Technology at the l'École de Reconversion Professionnelle »Jean Moulin« vocational school in Metz, France discusses his search for the right equipment for the school's new workshop: "We wanted to meet the highest standards. That's why we focused on only the best and most modern machines. We need highly functional workstations here."



## Experiencing products

Ottobock | Jos America, Nieuwkuijk, the Netherlands

At the headquarters of Ottobock Planning & Equipping in Nieuwkuijk near's-Hertogenbosch, the Netherlands, a large showroom invites you to learn about and test our portfolio of orthopaedic footwear technology machines in person.

Our exhibition rooms are open daily during regular office hours (Monday through Friday from 8:00 am to 5:00 pm). Visits during the evening (7:00 pm to 10:00 pm) and on Saturday mornings (9:00 am to 12:00 noon) are also possible by appointment.

**Visitor address for Showroom Ottobock | Jos America**  
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