

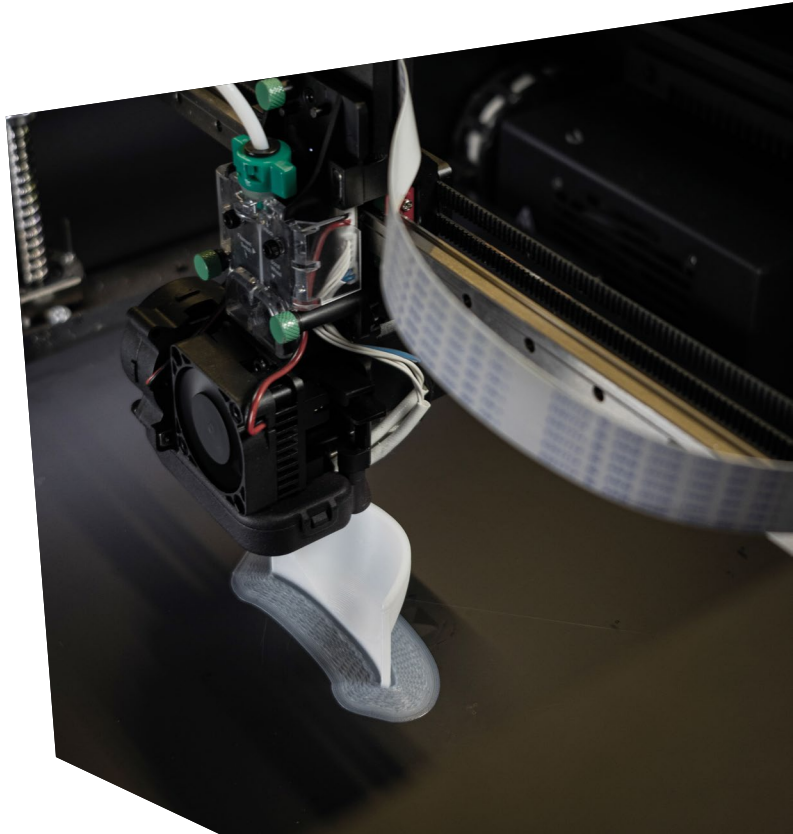
# A seamless combination

for custom insole design  
and printing at scale



# Simple, Automated, and Scalable 3D Printing

Mosaic Manufacturing is a global leader in 3D printing solutions with thousands of products deployed globally. Mosaic's flagship product, Array, is a high volume 3D print system that uses robotics to enable cost effective production of custom orthoses.



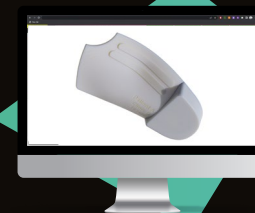
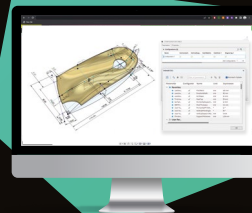
## Working with Array

Array takes the cost, mess, and waste out of custom foot orthotic production. Array directly prints functional and accommodative foot orthotics, while requiring limited operator intervention. Mosaic's patented automation technology has revolutionized 3D printing, making it truly accessible to O&P labs for the first time.

Array pairs seamlessly with Taika3D's software solution, and can print up to 500 FO pairs of orthotics per month, per unit. Because of the built in automation capabilities, one

operator has the capacity to manage 10+ Array units, unlocking a production potential of 5000+ pairs/month. Together, Taika3D and Mosaic have created a powerful plug-n-play solution for producing custom orthotics on site, at scale.

Array is compatible with a wide selection of O&P materials; Polypropylene & polycarbonate are popular choices for functional FOs, and Mosaic Aero offers a cushion-like feel – similar to an EVA foam – making it great for accommodative FO's.



Taika3D are world leaders in design automation for custom orthotics. Trusted by leading businesses around the world to design thousands of orthotics every day, our scanning and design automation technology enable O&P manufacturers to unlock their potential to deliver exceptional product designs at scale without compromise.

### Why Taika3D?

At Taika3D we deliver bespoke design automation for custom orthoses, at a rate of 60 - 100 pairs per designer per hour, with all the touchpoints, paperwork and integrations you need to run your business taken care of at the same time.

TaikaCreate uses 3D scan data and user parameters with your own design knowhow to automatically create complex geometry fast and consistently. With no compromise on quality, the ruleset is unique to your business and used to create products which fit your philosophy and branding.

Whether from TaikaCapture or your own scanning system, input 3D scan data with individual product parameters and TaikaCreate will output a 3D print or toolpath file optimized for your production method of choice.

**Scale faster production of unique and consistent designs, satisfying customers and making more time for innovation.**



Automated solutions for unique designs at scale



Improve reliability, accuracy and consistency of designs



Boost productivity: 60-100 pairs of custom insoles per designer per hour!



Produce complex user-specific models ready for 3D print or CNC machining



Full end-to-end digital solutions integrated into your business processes



Options for 3D scanning solutions and custom web order forms



### Features and Benefits:



Automatic Scan cleaning, landmarking and alignment



Automatic FFF optimizations in 3D printed outputs  
 – Aligned for FFF print beds  
 – Self generated supports  
 – Nested build volumes



Automatic product generation from a prescription order form at 1 minute per pair



High volume design automation for a high volume system



Reduced material cost per part, and less design time per part



### Features and Benefits:



Quality parts with no post processing requirements



AI powered integrated failure detection system



Go straight to top cover and patient fitting



A versatile, scalable production system



Clean end use finish with no powder or milling mess



Print a mix of functional and accommodative FO's on the same Array



Remote print management



Easily add more Array units to scale capacity without needing more labor



72+ hours of continuous unattended operation

# Get in touch for more information or to book a demonstration



Register your details for more information at [www.taika3d.com/custom-insole-3d-printer](http://www.taika3d.com/custom-insole-3d-printer) or scan the QR code.

