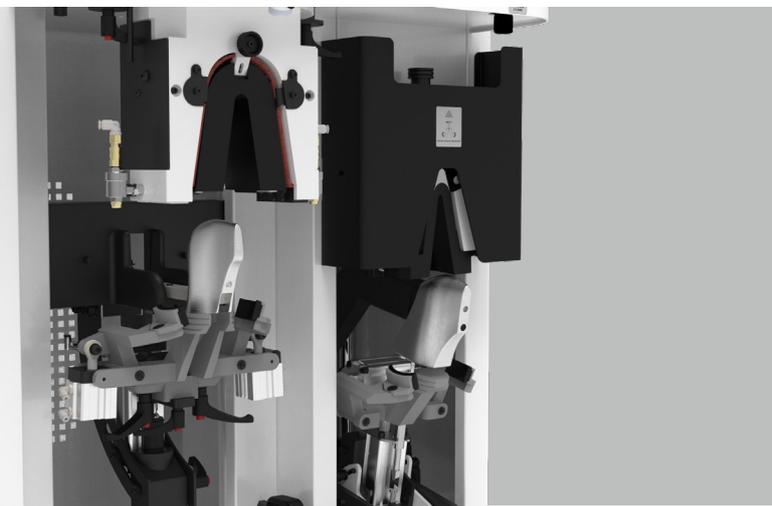


50 **OLYMPIC**  
Years Of Innovation

# General catalogue



Our Experience Is The  
Shaping Of The Uppers



**OLYMPIC**  
Engineering

2019 v.1



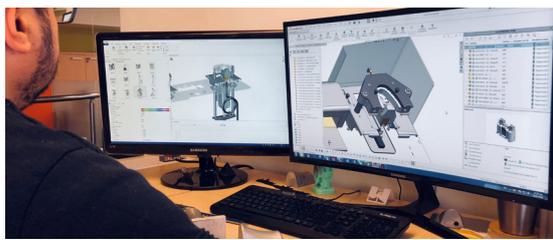
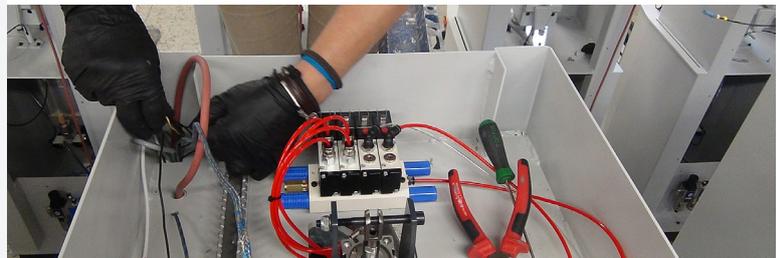
Olympic Engineering is a powerful contemporary company that produces equipment for the shoe industry. We are highly specialized and well known for our upper shaping applications.

Founded in 1969, the company has been active for more than four decades, embodying the spirit of creativity and innovation.

This spirit highly reflects upon the company's products many of which are covered by patents.

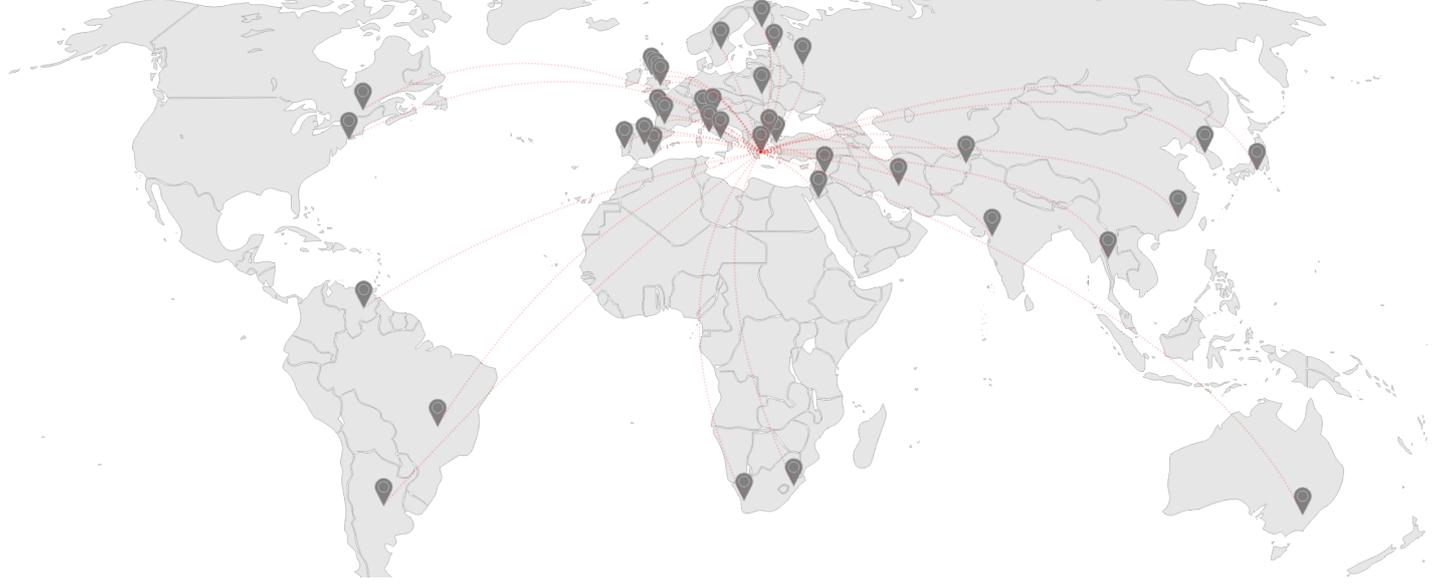
The company's privately owned premises in Athens's industrial zone include an independent production unit with the following departments:

Research and Development, Computer design of prototypes, Metal works with CNC machinery, Manufacturing of electric and pneumatic panels, Assembly line and Quality control.



In all ranks, the company's employees are expert in their field and they comprise a powerful group for materializing the company's goals.

The machines fully conform with the CE standards and are distinguished for their safe operation, ergonomic design, high productivity, robustness and longevity.

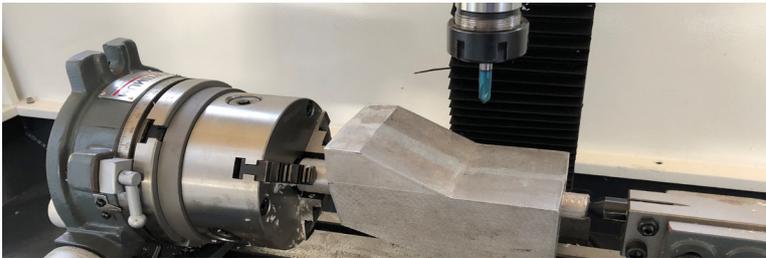


Keeping in mind a high level of service and constant development, we support our clients through a network of reliable representatives around the world, in order to offer:



Instant service with low downtime  
Full spare - parts support

Olympic is one of the leading companies in the field of shoe manufacturing equipment internationally and its targets are set high for the future.



# 50

## OLYMPIC

### Years Of Innovation



## A life of contribution and innovation in the shoe industry

For 50 years we keep creating and producing pioneering innovative technology for the shoe industry. All the below mentioned milestones are some of the most important ones that we have primarily invented and presented through the years offering to you game changing ideas for the constant improvement of your daily shoe production.



## OUR EXPERIENCE IS THE SHAPING OF THE UPPERS



## 1969-2019

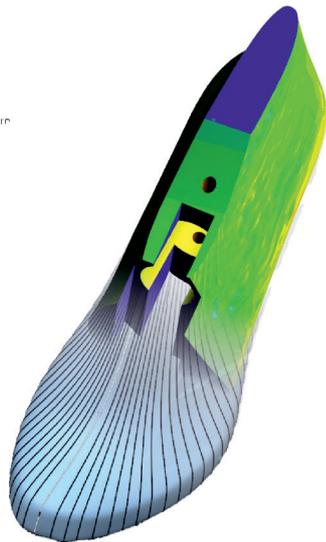
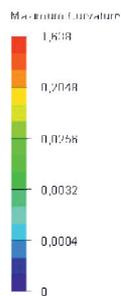
### 50 Years of Innovation for the footwear industry

#### Significant milestones

- Foundation of Olympic Engineering
- Combination of tubular air cushion with wipers flanging
- Cooling element without water circulation
- Quick replacement of cold station molds with single screw
- High productivity hot station outer mold with life-time warranty
- Back-part molding universal hot station molds
- We first present the multipurpose back-part moulders with Polyform series
- Vertical & Rotating moccasin forming machine
- First needless latex spray gun with motor less extraction booth & water filter
- VC-2001 brings revolution to 3d crimping and shaping, over 5000 units sold
- We presented the revolutionary Multiform back-part molding with 3 different patents
  - Rotating cushion
  - Supplementary over – stretching system
  - Independed pincers
- Patented inflatable cushion of Olympic with unconstrained airbag and quick pad change
- Side lasting machine that holds the top line of the shoe and then lasts the sides
- Quick & toolless hot mold changing and intergated cold station cooling unit on Multiform
- Toe molding machine with self adjusted pneumatic cushion and automatic learning function
- First hot and cold 3d crimping machine
- In 2019 we are changing the crimping for ever

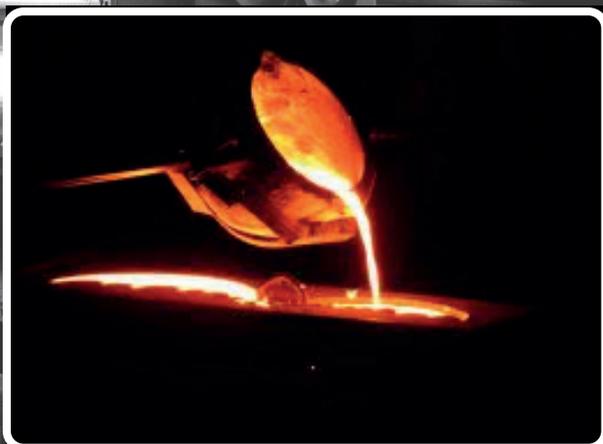
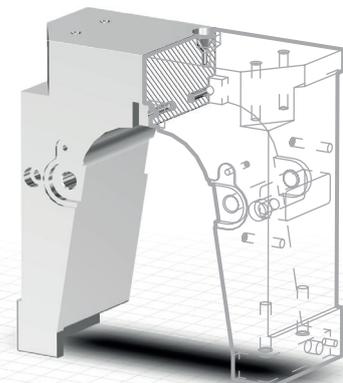
## Mold making that makes the difference...

Our company specializes in the production of moulds for our back part moulding and moccasin forming machines. A selection of advanced techniques and special materials combined with forty years of expertise, ensures that you will get the best back part shaping result.



## Precision casting department

Through years of development and following our need to create continuously new technologically upgraded parts for our products we were led to establish our in-house casted parts production department which ensures the control of quality and precision and offers us the ability to being creative and to produce special purposed and designed components for our products.

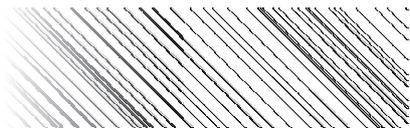


**In-house precision casted parts production**

# Which is the right Multiform for you?

		Multiform 3	Multiform 4
Procedures	Normal Flanging	●	●
	Stitch Down (On Demand)	●	●
	Moccasin (On Demand)	Yes with limitations (Shorter cooling element required thus decreased cooling ability - Hot pincers modification with extra cost)	Yes - The proper moccasin attachment in cold station can be modified within a minute
	Goodyear (On Demand)	●	●
	Mini Counter	●	●
	Small sizes (On Demand) <i>The shorter cooling element required is suitable also for bigger sizes but with reduced cooling ability.</i>	Yes with limitations - Extra modification cost of hot station pincers	●
Special features	Rotating cushion with wipers (Patented)	●	●
	Independent cold station pincers (Patented)	—	●
	Over stretching (Cold station)	—	●
	Digitally adjusted pulling length (Cold station)	—	●
	Double intergrated cooling units	●	●
	Hot station mold and last quick release system	●	●
	High temperature outer mold <i>(Higher Productivity than competition - lifetime warranty for electric element)</i>	●	●
	Easy cold station last and mold change	●	●
	Stitch hammering	●	●
Decoratives mode	●	●	
Hot station Pincers	Inclination - High heel	—	Any height up to 140mm easy setting with quick release handle
	Inside-Out movement <i>(Accurate position of pulling spot on the upper)</i>	With wrench tooling	Quick release handle
	Up-down Movement <i>(Suitable for Moccasin and Small sizes)</i>	Yes but extra cost and modification required	Quick release handle
Cold station pincers	Inclination - High heel	●	Yes extra inclination
	Inside Out movement	Quick release handle	Quick release handle
	Adaptation of pincers in any shape of last	—	Yes equipped with the patented independent pincer system of Olympic
	Pulling adjustment	Manually	Accurate digitally controlled system with over-stretching joystick

Our Experience Is The Shaping Of The Uppers



**OLYMPIC**<sup>®</sup>

Engineering

# Multiform 4

Versatile Back-part Molding Machine With  
Two Hot & Two Cold Stations

- Individual pincers
- Over-stretching system
- High heel uppers up to 140mm



## Versatile back-part moulding machine with two hot & two cold stations

Multiform 4 is a back-part moulding machine dedicated to the production of high quality shoes. Designed and created to be the fundamental and most powerful tool for shoemakers aiming for perfection. Multiform 4 shapes with equal ease high quality women's, men's and children's uppers as well as boots, moccasins and mini counters.

## Thermoplastic or leatherboard counters

The standard version of this machine is equipped with two hot and two cold stations for thermoplastic counters, but it can be delivered on demand with four hot stations for maximum results on leatherboard counters too.



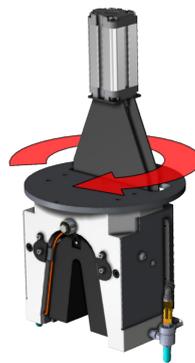
## 5 Operations in One Machine



### Over-stretching system

Same production uppers often are a little different and require different amount of pulling. Normally, the user pulls the uppers two or more times and this leads to undesired extension.

- Eliminates the above mentioned phenomenon
- Allows the user to add the minimum extra pulling that each upper requires



### Rotating cushion system with integrated wipers

The Multiform 4 is equipped with the Olympic patented rotating cushion with integrated wipers that ensures a high perimetric pressure and shaping of the upper in combination with excellent upper flanging.

- Can be rotated in seconds.
- Demanding procedures made simple.
- Offers great versatility in production.



### New redesigned moving cooling unit system

The Multiform 4 with its two independent cooling units ensures fast and excellent results for your uppers. With lifetime warranty and no downtimes during production.

## Back-part moulding

### Divided Independent Pincers

The position of each Divided Pincer is adjusted independently according to the perimetrical shape of the aluminum last.

- Adapted to last's shape.
- Easy angle adjustment.
- Quick adjustment



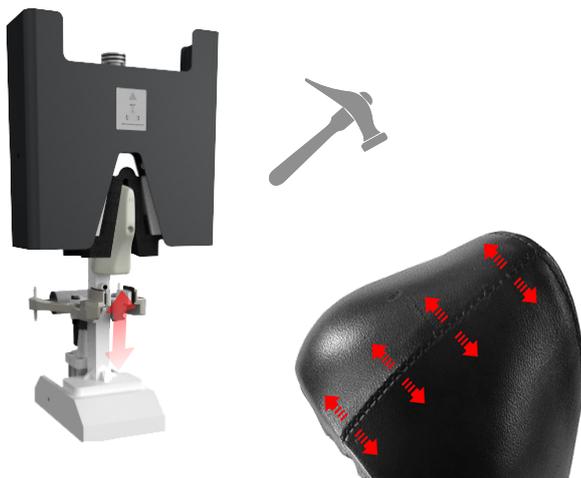
### New quick release hot station mould system

- Easy to remove with 2 simple moves.
- Avoid downtime, change your production procedure in second



### Hot station pincers

- New generation, hot station design, fully adjustable for flat and high level heel uppers
- Simple adjustments
- Universal lasts and moulds
- Inclination allows user to pull high-heeled shoes without harming the top line (up to 14cm)



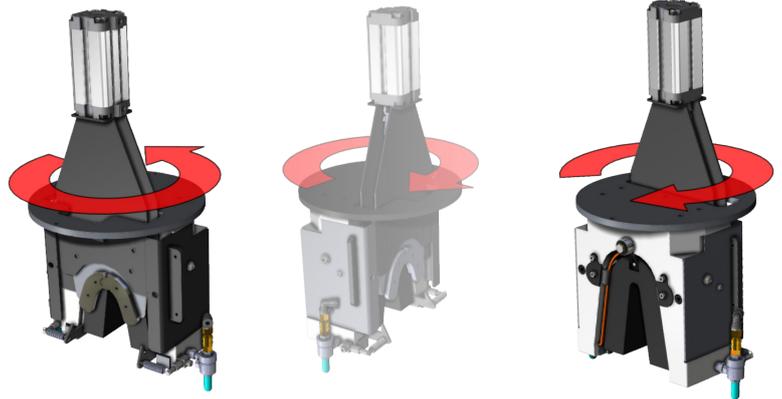
### Brand New stitch hammering function

Brand New stitch hammering function helps you to smooth the stitchings, giving you a very nice surface.

### Rotating Cushion System With Integrated Wipers

The Multiform 4 is equipped with the Olympic patented rotating cushion with integrated wipers which ensure a high perimetric pressure and shaping of the upper in combination with excellent upper flanging.

The patented cushion can be rotated in seconds allowing demanding procedures made simple and offers great versatility in production.



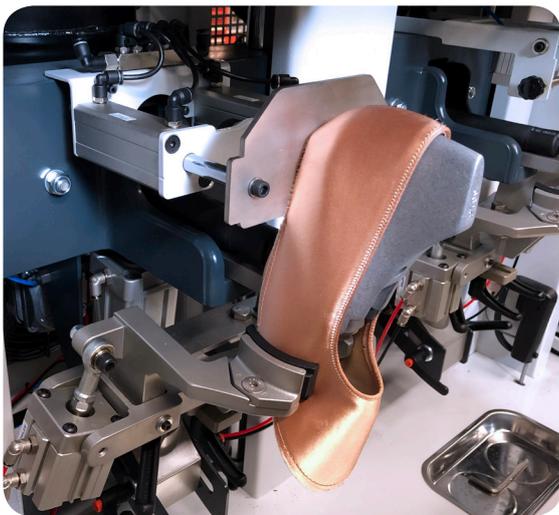
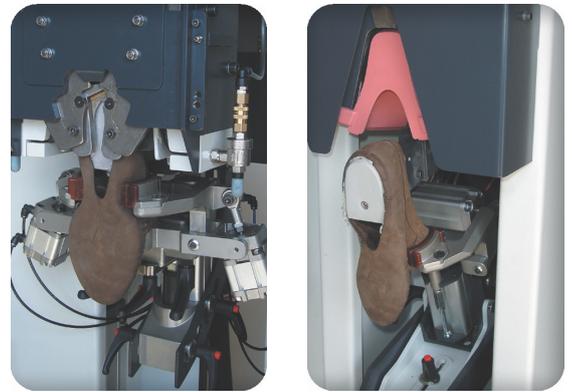
#### Mini counter moulding

**Conversion time 2 Min**



#### Moccasin moulding

**Conversion time 5 Min**



### Accurate Upper Positioner (Optional)

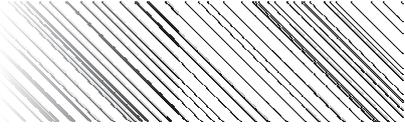
For higher efficiency and precision use the accurate upper positioner.

- Increased repetitivity
- Plug & play installation
- Easily adjusted

### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1100 pairs per 8 hours max
Power Consumption	2500 W
Dimensions (mm)	1660 (w) x 855 (d) x 2030 (h)
Weight	580 Kgs

Our Experience Is The Shaping Of The Uppers



# Multiform 3

Versatile Back-part Molding Machine With  
Two Hot & Two Cold Stations



## Versatile Back-part Molding Machine With Two Hot & Two Cold Stations

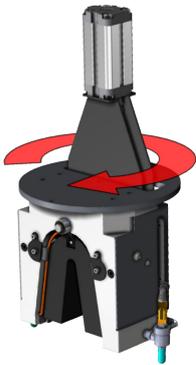
Multiform 3 distillates 40 years of experience and development into the back-part moulders. It combines all the advantages of the previous POLYFORM generation machines with those of Multiform 99 and creates a very dynamic and economic unit that offers all the quality you could ask. Multiform 3 shapes with the same ease high quality women's, men's and children's uppers as well as boots and mini counters.

### Thermoplastic or leatherboard counters

The standard version of this machine is equipped with two hot and two cold stations for thermoplastic counters, but it can be delivered on demand with four hot stations for maximum results on leatherboard counters too.



## 5 Operations in One Machine



### Rotating cushion system with integrated wipers

The Multiform 3 is equipped with the Olympic patented rotating cushion with integrated wipers that ensures a high perimetric pressure and shaping of the upper in combination with excellent upper flanging.

- Can be rotated in seconds.
- Demanding procedures made simple.
- Offers great versatility in production.



### New redesigned moving cooling unit system

The Multiform 3 with its two independent cooling units ensures fast and excellent results for your uppers. With lifetime warranty and no downtimes during production.

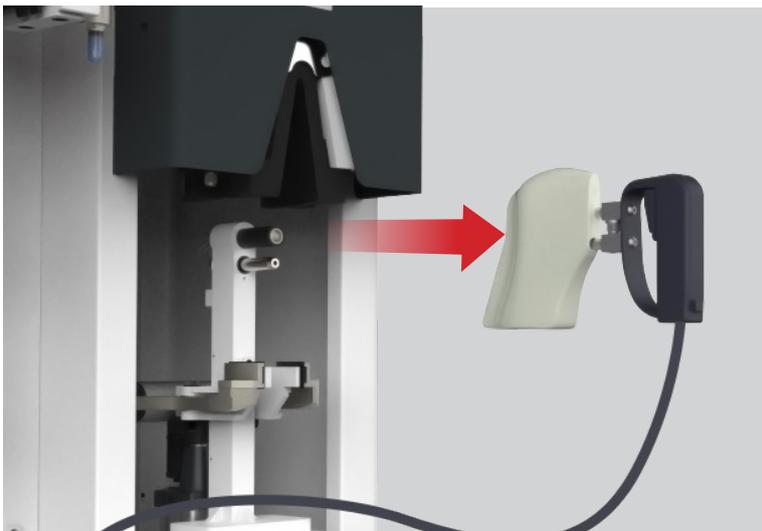
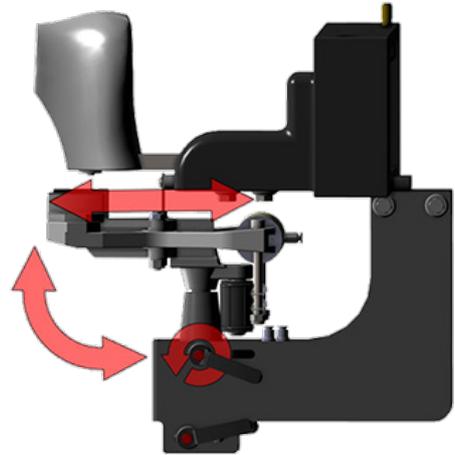


### New redesigned led projector for accurate upper positioning.

## Pincers with inclination

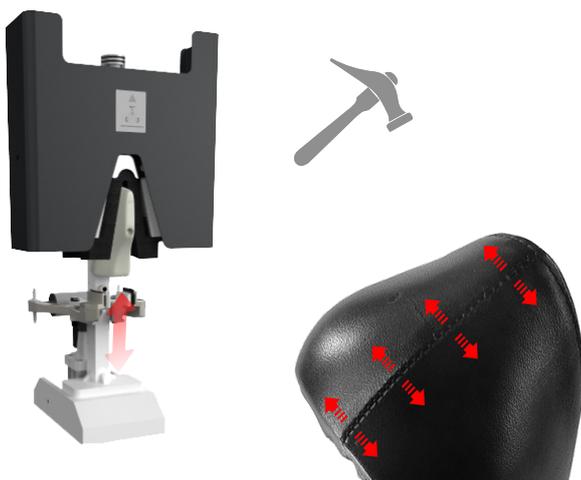
The pincers of the Multiform 3 is a new developed system which can easily take inclination for high heel uppers

- Adapted to last's shape
- Easy angle adjustment
- Quick adjustment



## New quick release hot station mould system

- Easy to remove with 2 simple moves
- Avoid downtime, change your production procedure in seconds



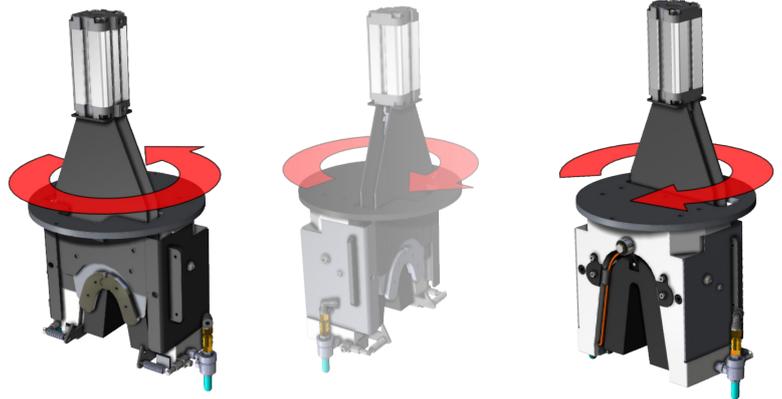
## Brand New stitch hammering function

Brand New stitch hammering function helps you to smooth the stitchings, giving you a very nice surface.

### Rotating Cushion System With Integrated Wipers

The Multiform 3 is equipped with the Olympic patented rotating cushion with integrated wipers which ensure a high perimetric pressure and shaping of the upper in combination with excellent upper flanging.

The patented cushion can be rotated in seconds allowing demanding procedures made simple and offers great versatility in production



### Moccasin moulding

**Conversion time 5 Min**



### Multiform fits in any production

**Conversion time 2 Min**



	<ul style="list-style-type: none"> <li>Cushion with integrated wipers &amp; tubular</li> <li>Male-female moulds</li> <li>Thermoplastic counter flanging</li> </ul>
	<ul style="list-style-type: none"> <li>Inflatable Cushion without wipers</li> <li>Universal moulds</li> <li>Excellent shaping</li> <li>No flanging</li> <li>Suitable for thermoplastic and leatherboard counters</li> </ul>

### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1100 pairs per 8 hours max
Power Consumption	2500 W
Dimensions (mm)	1660 (w) x 855 (d) x 2030 (h)
Weight	580 Kgs

# mini Multiform



## Versatile Backpart Molding Machine With One Hot & One Cold Station

All the great features and flexibility (5 operations in one machine) of Multiform 4 in a compact size and value, ideal for small productions and not only...



**1 Hot - 1 Cold Station  
With Wipers (Flanging)**



**Thermoplastic flanging**



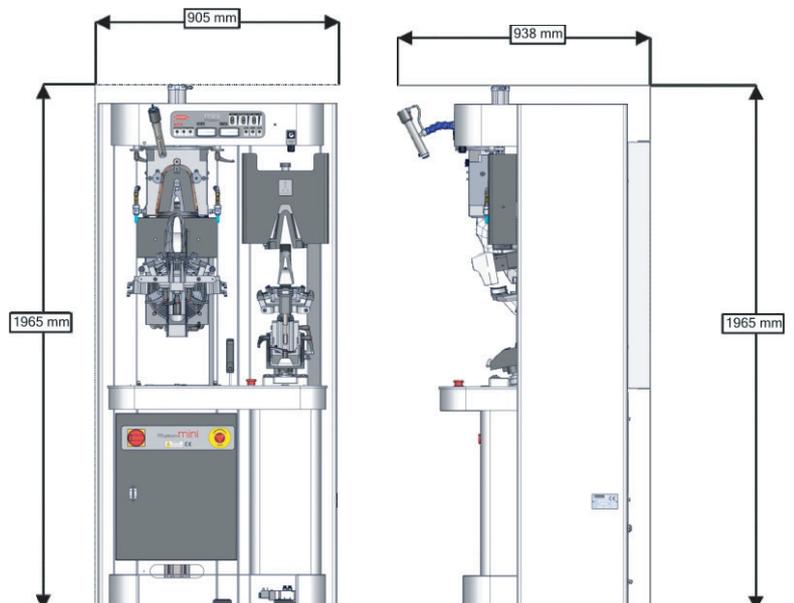
**1 Hot - 1 Cold Station With  
Airbag (no Flanging)**



**Thermoplastic**

### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 60Hz
Capacity	1200 pairs per 8 hours max
Power Consumption	1500 W
Dimensions (mm)	938 (w) x 905 (d) x 1965 (h)
Weight	330 Kgs





## R.U.

One Station Reactivating Unit

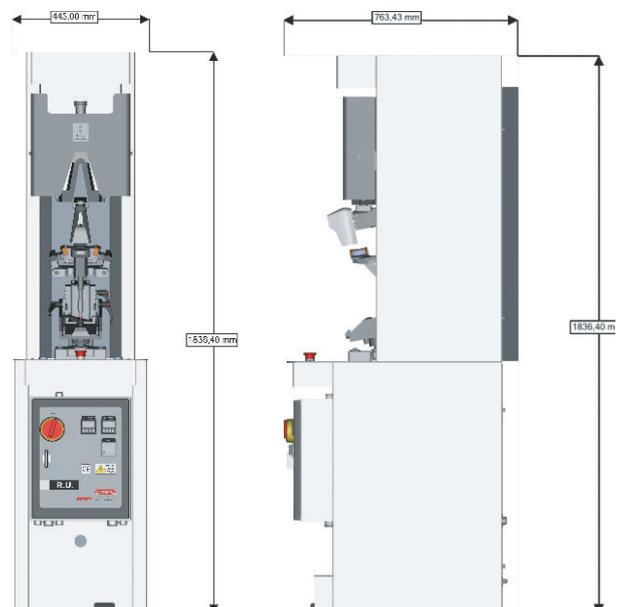
The R.U. was designed to reactivate and to preshape all kinds of uppers (size range : 18-47).

- Suitable for High-Heel Uppers up to 14mm
- Maximum cushion temperature 200°C.
- Maximum aluminum last temperature 160°C.
- Both temperatures are adjustable.
- Teflon coated aluminum molds.



### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	400 pairs per 8 hours
Power Consumption	1000 W
Dimensions (mm)	763.4 x 445 x 1836.4
Weight	90 Kgs



# TM-17



Toe Molding Machine With Two cold stations and Double humidifier

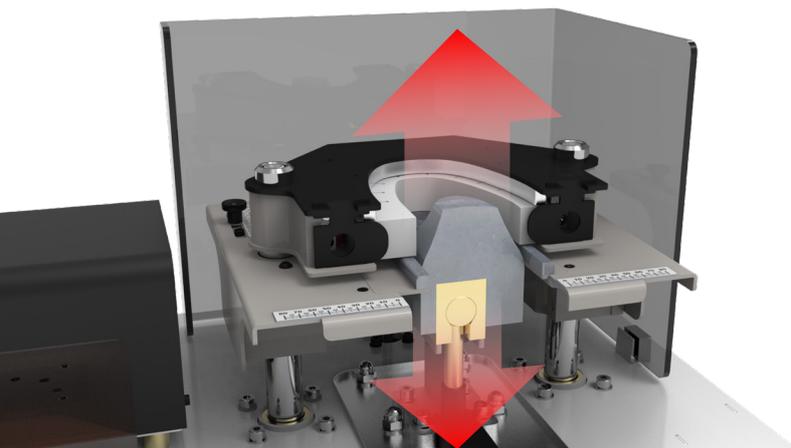
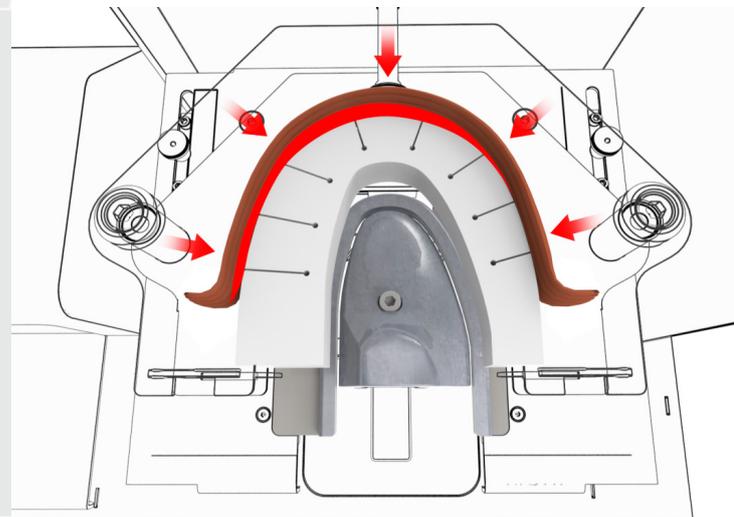
- Supreme toe shaping with self adjusted pneumatic cushion
- Powerful humidifier with heat and steam function
- Digital upper shape learning function

## Get maximum control of upper toe shaping

Our State of the art design with accurate digitally controlled head movement lets you acquire full control access of the toe shaping procedure

## Supreme toe shaping with self adjusted pneumatic cushion

Our flexible yet powerful and easily convertible cushion self adapts on your upper designs and offers you perfect toe shaping



## Digital Upper Shaping Learning Function

Activate the new learning function - Do it once and make it easy and simple for anyone results in high productivity and quality improvement

### Specifications

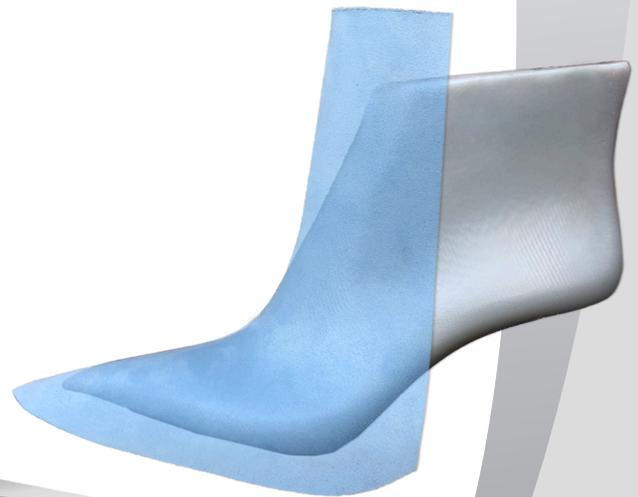
Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	400VAC three phase 50Hz
Capacity	1000 pairs per 8 hours
Power Consumption	5000 W
Dimensions (mm)	1400 x 507 x 1100
Weight	280 Kgs



# VC-19D

Crimping Machine With Dynamic  
Angle for Any Vamp

Patented



- Any Blocking Angle
- No more double cutting
- Accuracy and Repetitivity
- Synthetic or leather
- Any Vamp Size
- Perfect angle in just 12 sec

# VC-19D Patented

## In 2019 we Reinvent Crimping !

Years of innovating on upper crimping, investing on R&D, acquiring experience and perfecting the result we offer, made us reinvent the idea of 3d Vamp crimping.

VC-19D was born on the 50th anniversary of Olympic and came to change the crimping blocking procedure of the shoe vamps forever.

Its Patented design allows you to succeed extreme angle on any shape and size of vamp and literally eliminate the trimming of the vamps making such a demanding procedure easier and more cost effective than ever.

- Any Blocking Angle
- No more double cutting
- Accuracy and Repetitivity
- Suitable for Synthetic or leather
- Any Vamp Size
- Perfect angle in just 12 sec



Accurate Vamp Positioning



One press to perfection



One button quick  
mold release

Delivered with shaping head A+B  
shaping head C optional

VC-19D



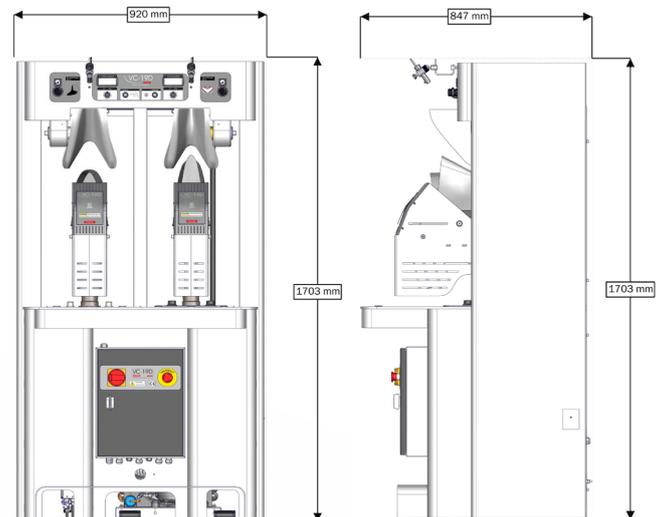
**CAUTION** Disconnect the air pressure before cover removal

Patented



## A True Innovation!

- Remaining effect. No additional conditioning required
- Any leather or sophisticated synthetic material



### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1200 pairs per 8 hours
Power Consumption	1500 W
Dimensions (mm)	847 x 920 x 1703
Weight	385 Kgs

## VC-16D Patented

Crimping-Combining & Ironing Machine For The Finished Uppers With One Hot And One Cold Station With Multipositioning Tilting Head.

In the recent years the VC 2001 has started a revolution in 3d shaping and became a best seller since it consists a precious tool for most shoe productions.

The new redesigned VC-16D with many new added features improves the final look of the shoe and facilitates the fitting of the upper on the last during forepart lasting.

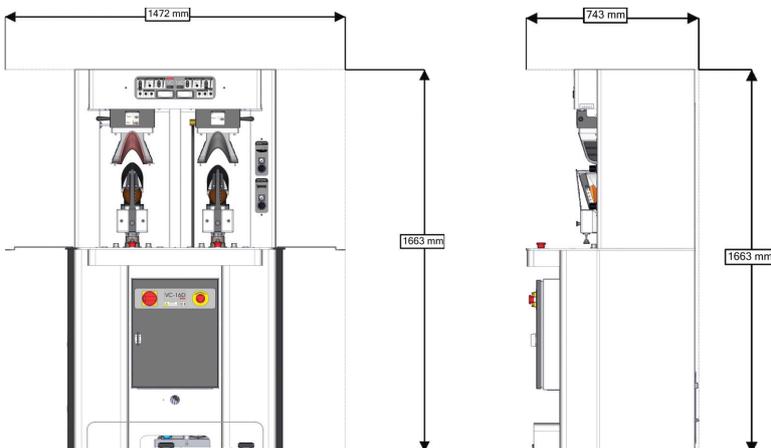
The VC SERIES crimps, combines & irons the finished upper in order to have perfect fitting on the last.

- NO more WRINKLES
- NO DEFORMATION of the uppers
- Multipositioning tilting head
- Progressive Ironing
- The MOULD is UNIVERSAL, suitable for ANY DESIGN of upper (men's, women's, children's)
- Thanks to the SIMPLE ADJUSTMENTS the procedure of the upper crimping can be variable and very easy.
- EASY PLACING of the upper WITHOUT PINCERS
- Thanks to the PNEUMATICALLY adjustable HARDNESS of the CUSHION, a wider range of angles can be achieved.
- The machines are SUITABLE FOR FINISHED UPPERS, BOOTS and SANDALS.

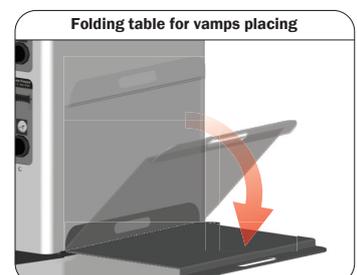
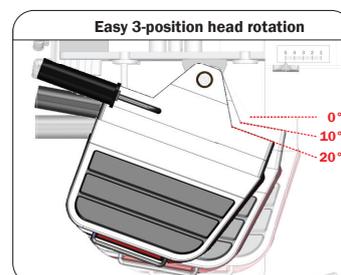
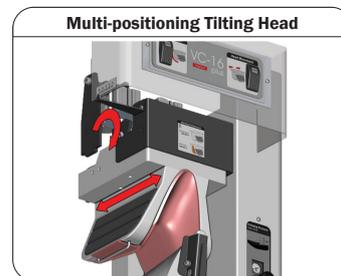


### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1200 pairs per 8 hours
Power Consumption	1500 W
Dimensions (mm)	743 x 1472 x 1663
Dimensions (mm)-with tables folded	743 x 950 x 1663
Weight	335 Kgs



### Features



## VC-16 PLUS Patented

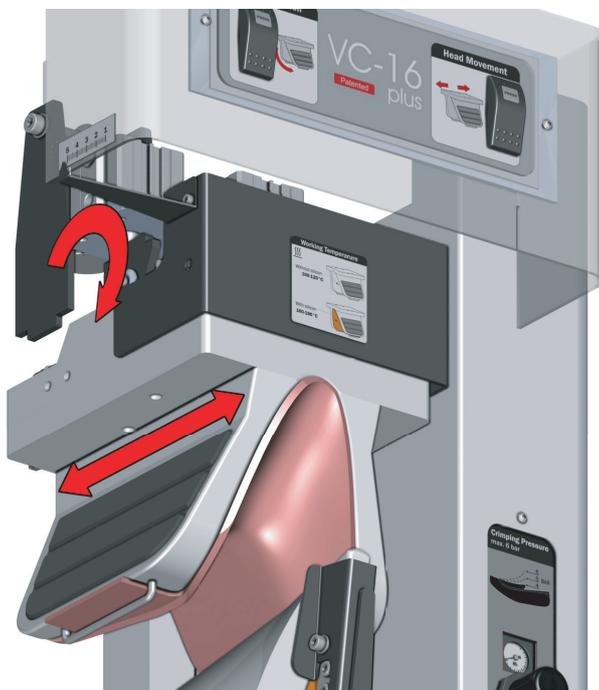
Crimping-Combining & Ironing Machine For The Finished Uppers With Multi-positioning Tilting Head.

In the recent years the VC 2001 has started a revolution in 3d shaping and became a best seller since it consists a precious tool for most shoe productions.

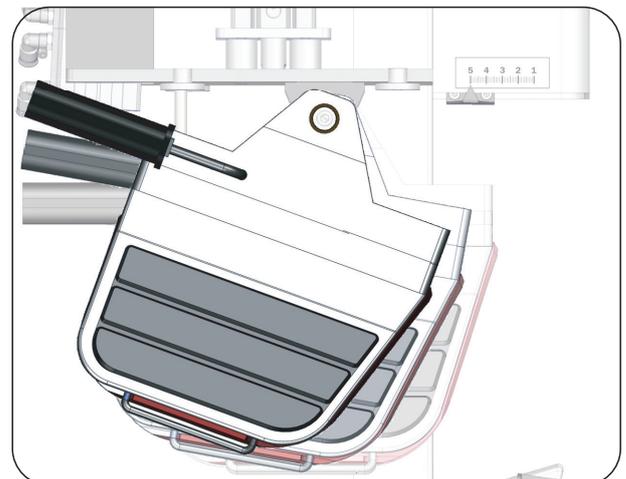
The new redesigned VC-16 Plus with many new added features improves the final look of the shoe and facilitates the fitting of the upper on the last during forepart lasting.

The VC SERIES crimps, combines & irons the finished upper in order to have perfect fitting on the last.

- NO more WRINKLES
- NO DEFORMATION of the uppers
- Multi-positioning tilting head
- Progressive Ironing
- The MOLD is UNIVERSAL, suitable for ANY DESIGN of upper (men's, women's, children's)
- Thanks to the SIMPLE ADJUSTMENTS the procedure of the upper crimping can be variable and very easy.
- EASY PLACING of the upper WITHOUT PINCERS
- Thanks to the PNEUMATICALLY adjustable HARDNESS of the CUSHION, a wider range of angles can be achieved.
- The machines are SUITABLE FOR FINISHED UPPERS, BOOTS and SANDALS.



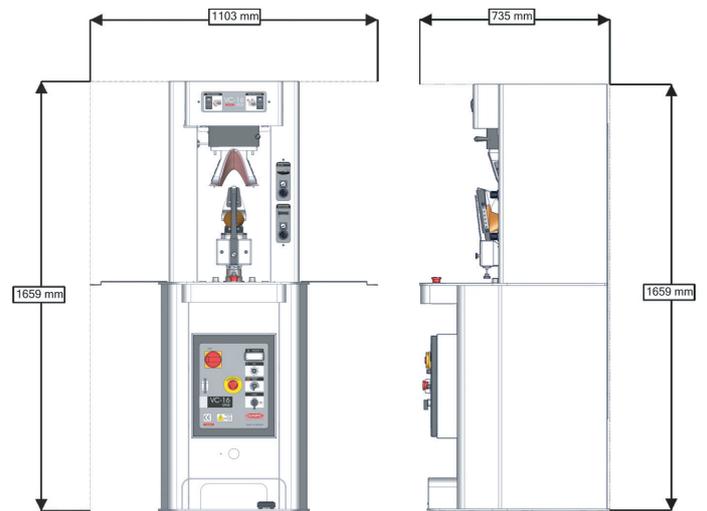
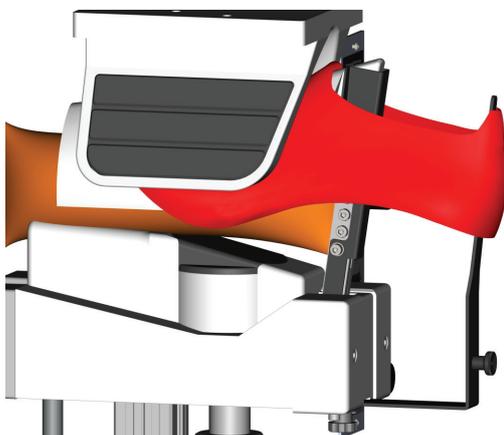
VC-16 PLUS Tilting head



## VC-16 Patented

Crimping-Combining & Ironing Machine For The Finished Uppers

All the basic features and excellent shaping and crimping result in a cost effective version without tilted head.



### Specifications

	VC-16 plus	VC-16
Operation	Electro - Pneumatic	Electro - Pneumatic
Pressure	6 bar	6 bar
Voltage	230V single phase 50Hz	230V single phase 50Hz
Capacity	1200 pairs per 8 hours	1200 pairs per 8 hours
Power Consumption	1000 W	1000 W
Dimensions (mm)	735 x 1103 x 1549	735 x 1103 x 1549
Dimensions (mm) <small>-with tables folded</small>	735 x 580 x 1549	735 x 580 x 1549
Weight	200 Kgs	200 Kgs

New Positioning Guide Available in all VC-16 versions

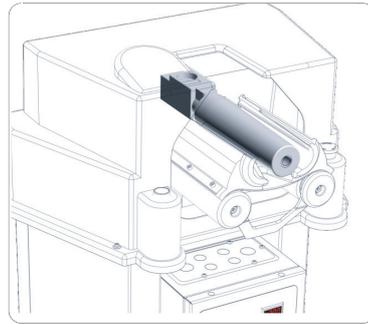
## RF-22/ RF-22C

### Upper Combining Machine

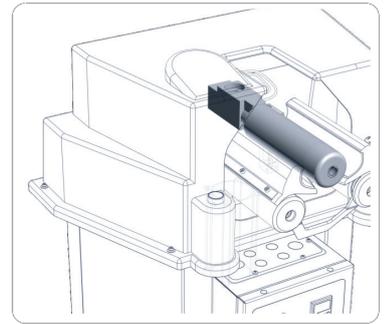
The machine RF 22 ROLLFORM is designed to combine women's and men's uppers with excellent results.

Thanks to the circular shape given to the uppers, the toe lasting is easier.

- Temperature is controlled by thermo-regulator max. 180C
- For better ironing, the roll is Teflon coated
- The three rolls together with the flexible pad, give uniform perimetric pressure to the upper
- The flexible pad and the pad support, contribute to good shaping of uppers with decoratives



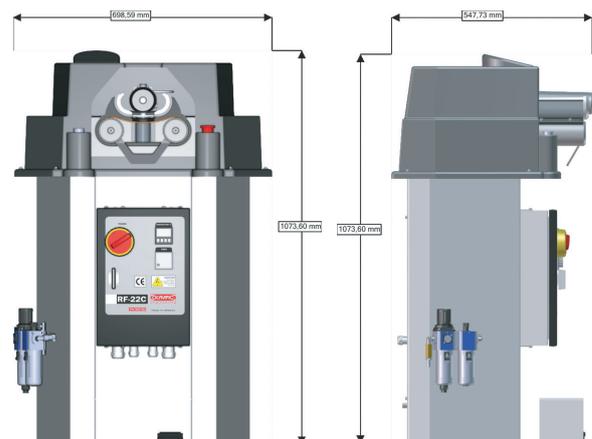
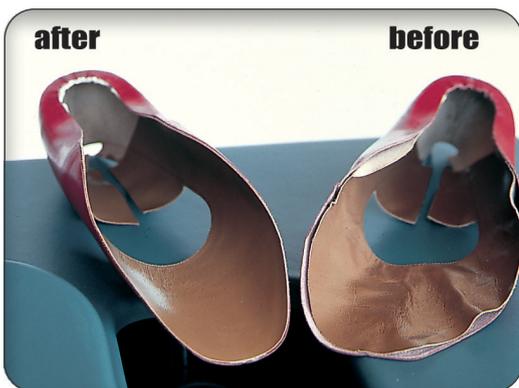
**RF-22C**  
**Conical**  
**Ideal for high**  
**heel uppers**



**RF-22**  
**Cylindrical**  
**for Flat uppers**

### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1400 pairs per 8 hours
Power Consumption	700 W
Dimensions (mm)	700 x 600 x 1080
Weight	73 Kgs



## TPA-11

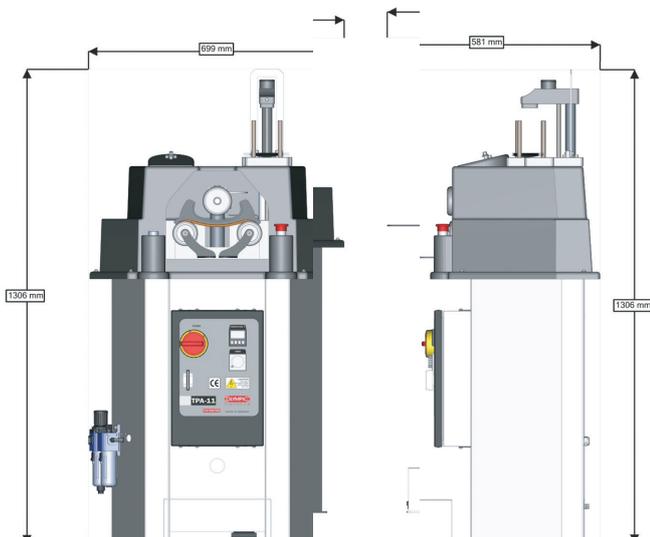
Toe-Puff Applicator

- High capacity
- Temperature is controlled by thermocouple max. 220C
- The three rolls, together with the flexible pad, give high uniform perimetric pressure of the toe puffs
- The roll upon which the toe puff is rolled is Teflon coated
- Thanks to the circular shape given to the uppers, the toe lasting is easier
- Suitable for all types of uppers and boots
- Perfect separation of toe puffs



### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1400 pairs per 8 hours
Power Consumption	700 W
Dimensions (mm)	700 x 560 x 1320
Weight	73 Kgs





Specifications

Operation	Pneumatic
Pressure	4-6 bar
Dimensions (mm)	580 x 807.5 x 1598
Weight	43 Kgs

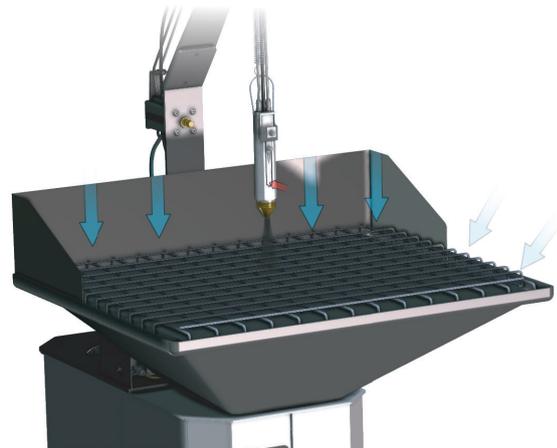


## WB-1

Latex or Water Based Adhesive Spraying Machine

Suitable for pure latex and any other water adhesive

- Unlimited use without any problem
- The latex spraying device has no need of daily cleaning
- Disposable adhesive tank
- Low maintenance expenses
- Project adjustable spraying in low pressure
- Small and light spraying gun with hand trigger
- Ecologic vacuum extractor
- Motorless and fanless operation guarantees continuous high vacuum efficiency and no hidden costs
- 3 different filtering stages retain 99% of the excessive glue inside the machine
- The easiest cleaning ever. 30 sec. for total disassembling of the extractor



**Motorless Pneumatic Extractor**  
works every time the trigger is pressed.  
**NO BLOCKAGE!**

## WB-2

Latex or Water Based Adhesive Spraying Machine  
**With Extended Working Area**

Specifications

Operation	Pneumatic
Pressure	4-6 bar
Dimensions (mm)	904 x 1128.5 x 1674
Weight	65 Kgs



## TOPSTYLER

### Short Boot Throat Ironing Machine

This machine was designed to iron the short boots throat while opening the seams, and making a slight shaping on the outside throat edge by giving elegance to the boot.

The machine has two hot stations for pre-shaping and softening the throat and one cold station to stabilize the shape.

Easy replacement of shaping tools according to boot shape.

The opening between the shaping tools is very easily differentiated depending on the throat's size.



Before



After



### Specifications

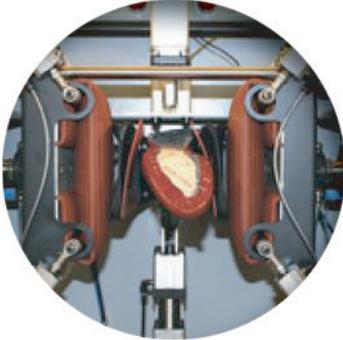
Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	1100 pairs per 8 hours
Power Consumption	1100 W
Dimensions (mm)	780 x 651 x 1616
Weight	90 Kgs

## TSL-8 Patented

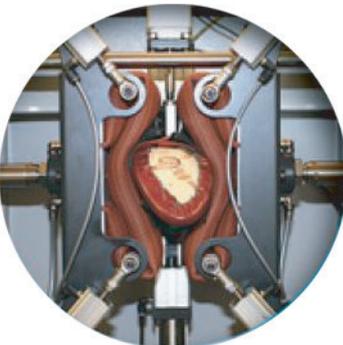
### Side Lasting Machine

The TSL-8 is a new revolutionary, low cost, side lasting machine which offers a unique lasting result for precemented shoes

- Global lasting mold is suitable for any kind of shoe.
- Extremely simple operation.
- No need of skilled operator.
- Minimum adjustment requirements - easily understood.
- Remarkable ironing and shaping on the sides of the upper thanks to the patented tubular technologies of Olympic.
- Retains the exact position of the top line.
- 1500 pairs per 8 hours.



Easy placement - without complicated adjustments



High perimetric pressure provides great ironing and combining of the sides, while the top line is kept steady.



Before

After

### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	5000-6000 pairs per 8 hours
Power Consumption	1100 W
Dimensions (mm)	1260 x 570 x 1730
Weight	230 Kgs
Noise Level When Running	55 dB



## PREMOULDER N-23

Thermoplastic Counter Premoulding Machine

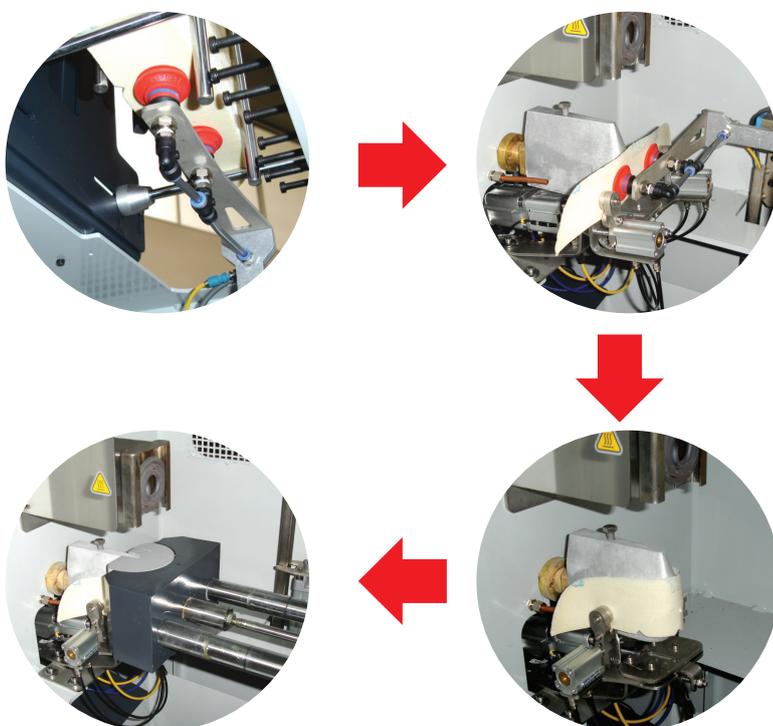
The PREMoulder N-23 is designed to preshape the counters during shoe production. In this way, the correct fitting of the counters on the uppers, with low production cost, is achieved.

It is well known that premoulded counters help to achieve the correct shaping of the uppers on the backpart moulding machines as well as providing a considerable increase in the shoe's quality and productivity.

- Easy placing of the counters
- Easy replacement of the moulds
- Maximum length of counters: 340mm
- Minimum length of counters: 120mm
- Production: 5000-6000 pcs according to the type of the material per 8 hours
- Simple and solid construction

### Specifications

Operation	Electro - Pneumatic
Pressure	6 bar
Voltage	230V single phase 50Hz
Capacity	5000-6000 pairs per 8 hours
Power Consumption	1100 W
Dimensions (mm)	1260 x 570 x 1730
Weight	230 Kgs



# 50

# OLYMPIC®

## Years Of Innovation



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