

TECHNICAL SPECIFICATIONS

Machine

Model	DT2 (Second Generation)
Heater	Ceramic Type, mid-IR band
Vacuum System	Built-In, Dual-Stage Hybrid
User Controls	LCD Interface
Maximum Temperature	250°C
Overall Dimensions	L400 x W335 x H405 mm
Weight	10kg
Input Voltage	100-240 VAC, 50/60Hz
Power Consumption	1.32kW, peak
Noise Level	65db, peak
Certifications	CE, PSE, SAA, AS-NZS

Material Specifications

Sheet Size	L330 x W250 mm
Thickness Range	0.2 - 3.0 mm
Supported Materials	HIPS, ABS, PETG,PVC, PMMA, PE, PP, PC, EVA, Kydex®

Forming Envelope

Area	Area L280 x W200 mm
Depth of Draw	200 mm, max

VAQUFORM DT2

2ND GENERATION OF THE ACCLAIMED
DIGITAL DESKTOP THERMOFORMER



Distributed by

“ Fits an entire industry onto your desktop.”
-Yanko Design



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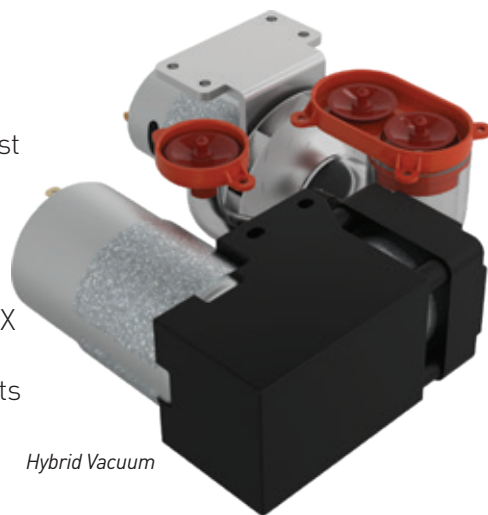
VERSION 1.03



We took a proven mass production method and gave it a major update. The result is a modern tool that is powerful yet compact, sophisticated yet easy to use. Together with 3D printing and other digital tools, it allows you to go beyond prototyping and launch into production right from your studio, or workshop.

Powerful Built-In Vacuum

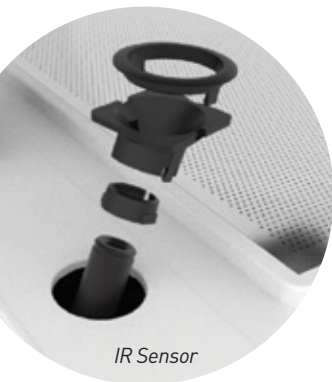
Vaquiform is internally equipped with not just one, but two vacuum units working in tandem—the first is for fast air removal and the second one, for a deep vacuum. It is a novel approach that delivers industrial performance in a compact package. With 4X greater pull strength than a household vacuum cleaner, it is possible to form sheets up to 3 millimeters thick.



Hybrid Vacuum

Digitally-Modulated Heater

Thermoformers typically use a timer to track the cycle duration. It is a rather crude way to gauge if the heated sheet is ready for forming. So instead of a timer, Vaquiform again takes novel approach. It directly tracks the material's temperature using an IR sensor, taking multiple readings every second, and then modulates the heater's power so forming occurs at a exactly the right temperture, every single time. This allows you to attain a high level of repeatability and consistency throughout a production run.



IR Sensor

Pre-Programmed Polymer Profiles

We developed a specific heating strategy for each polymer type. This makes it easy to get optimal results even if you do not know the difference between PVC and ABS. To use, simply select a material from the graphical interface. The machine then automatically loads the process parameters for you. 10 materials are currently supported, with more to be added in future (firmware updates, including exotic composites and compostable bioplastics).

Supported Materials*	
HIPS	Polyethylene
ABS	Polypropylene
PETG	Polycarbonate
PVC	Kydex®
Acrylic	EVA
VFlex	

*As of firmware version 1.3030



Heater Modules

Ceramic Type, Mid-IR band

Sheet Clamp

Thickness Range 0.2-3.0mm

Hybrid Vacuum

Rated at -85kPa

User Interface

11 Polymer Profiles

IR Sensor

Precision 0.1°C

Industries Served

- Education
- Arts and Crafts
- Culinary
- Dental and Medical
- Product Design and Development
- Packaging

Some of Our Customers

- Disney, PepsiCo, Bosch, Tesla
- Motors, NASA, Tiffany & Co, Rice
- University, Indiana University School of Architecture and Design, University of Michigan, Hexlabs
- Maker-space, Toolbox LA, and many more



- ✓ Spare Parts Program
- ✓ 1-Year Warranty
- ✓ Local Technical Support
- ✓ Lifetime Free Firmware Updates