

**HOLLYWOOD'S TWO NEW STARS**

***ViPER***

**ECHO**



**Viper™ and ViperECHO™ are changing the way Hollywood Production Artists are turning Director's visions into reality.**



Robots are changing the way today's artists work and CNC 7 Axis Milling is playing a key role in production art. The speed, accuracy and flexibility of CNC Robots has given many top professionals an industry advantage – Viper™ and ViperECHO™ make that advantage even greater.

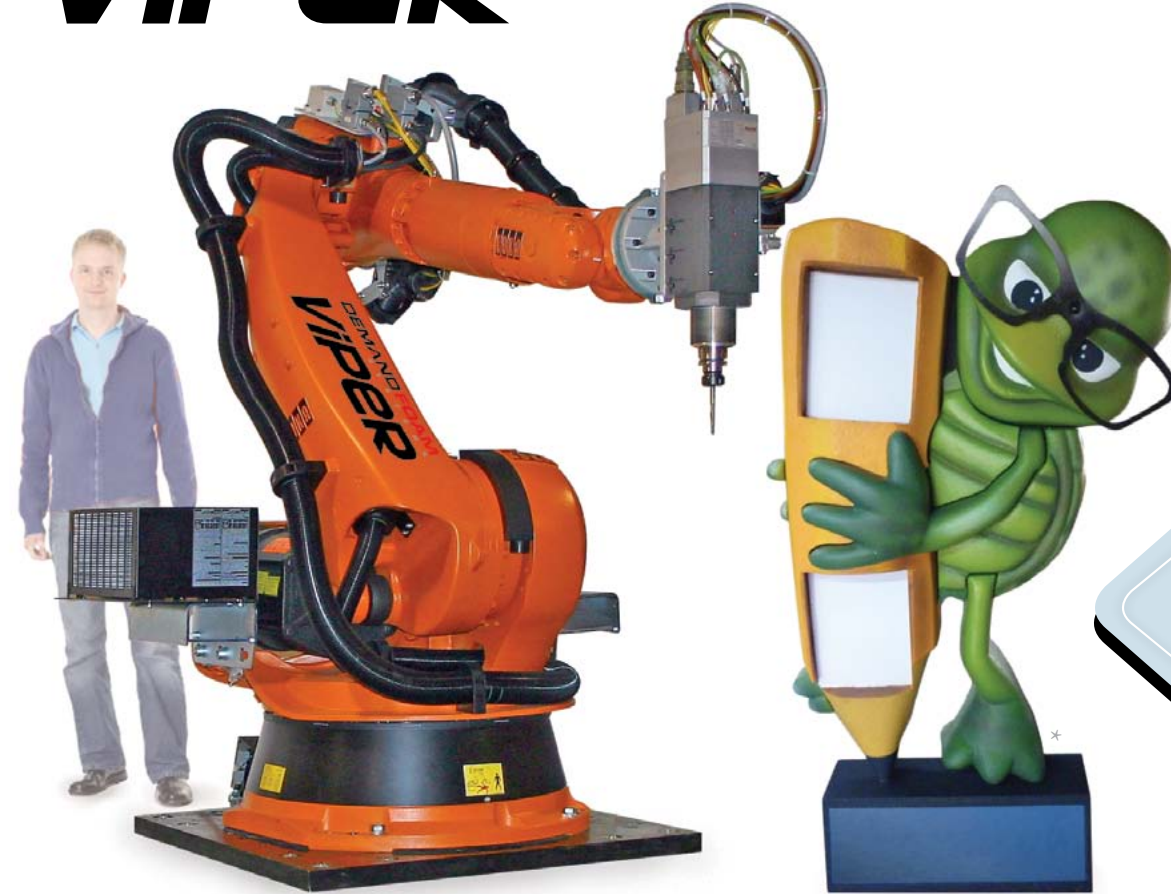
Demand Foam Systems has worked with Hollywood for over 20 years. Our machines and products have been used to make "Hollywood Magic" for; LucasFilm, ILM, ABC's Lost, Extreme Home Makeover, CBS's CSI series and many other Hollywood films and commercials.

Demand Foam Systems a unit of Demand Products Inc., provides sales, service, and technical support for both Viper™ and ViperECHO™. All machines are warranted for one (1) year, and supported by Demand Products.

**DEMAND FOAM**  
SYSTEMS

www.demandproducts.com | info@demandproducts.com

**VIPER™**



**VIPER™ 3D Robotic Sculpting System Specifications**

Max Operating Height	154"
Maximum Material Size	8' X 8'
Electrical Requirements	480 VAC, 70 amp dedicated service
Cutting Spindle	16 HP, 24,000 RPM-Air or Liquid Cooled
Max Cutting Feed Rate	800 IPM
Collet	HSK-63
Max Tool Diameter	4" with pockets full on Tool Presetter
Max Tool Length	12" (from collet face)
Max Tool Weight	8 lbs.
Program Communications:	Ethernet & USB

\* Artwork: Ardico Design



Maquette Scan



Mill



Finish

**VIPER™ 3D ROBOTIC SCULPTING SYSTEM**

3-D CNC cutting allows you to create large scale, complicated projects in a fraction of the time it takes to create them by hand. Precise repeatability and unlimited scalability gives you many options when designing & milling: architectural molds, stage designs, movie props, theater props and theming operations.

Our Viper™ Robot Theming Systems are supported by the latest 3-D Scan technologies giving you accurate digital information for your projects.

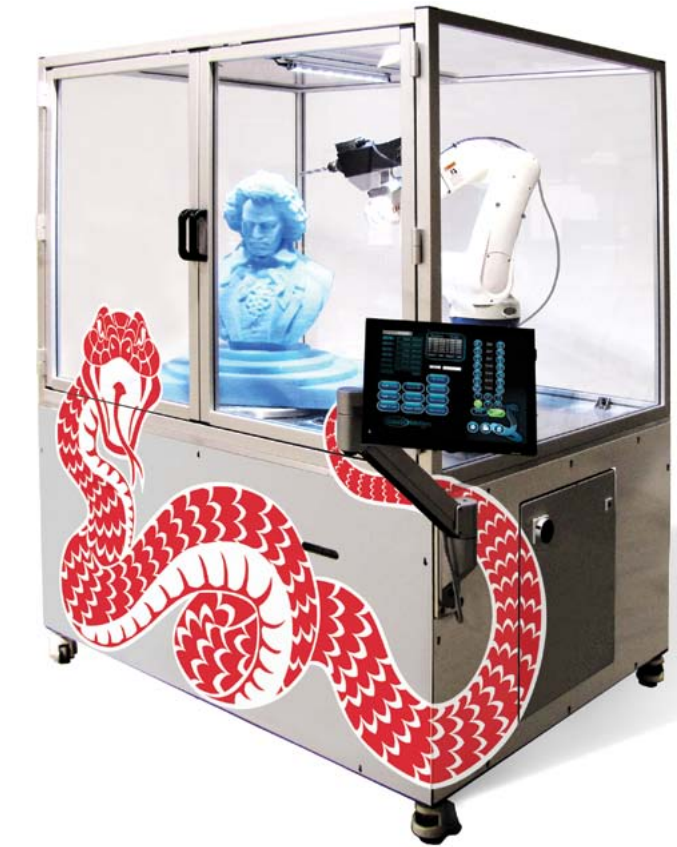
- Turntable or Track Mounted
- Repeatability
- 118" Reach
- Touch Screen Operation
- ToolPath Proprietary Software
- Tool Presetter
- Safety Light Curtain
- Starter Tool Bits
- 800 IPM Feed Rate
- Turnkey Install
- Training & Support
- Training Guarantee

**ViperECHO™**

ViperECHO™ is the perfect portable CNC Sculpting Robot. ECHO™ is more than a mini version of the Viper™, its speed and precision milling make it a first choice of many production artists and design groups. Consider the ECHO™ the perfect workhorse for your design shop or off-site project. Touch screen computing makes it easy to master and operate.

- Portable Envelope
- Turntable or Surface
- Repeatability
- 40" Reach
- Touch Screen Operation
- ToolPath Proprietary Software
- Tool Presetter
- 1.5 hp 18,000 RPM
- Safety Enclosure
- Starter Tool Bits
- 1,000 IPM Feed Rate
- Turnkey
- Training & Support
- Training Guarantee

**VIPER ECHO™**



**ViperECHO™ 3D Robotic Sculpting System Specifications**

Operator Load Height	36"
Maximum Material Size	40" tall X 36" diameter or 25.5" square
Electrical Requirements	110 VAC, 20 amp dedicated service
Cutting Spindle	1.5 HP, 18,000 RPM-air cooled
Max Cutting Feed Rate	1000 IPM
Collet Size	ER 20
Max Tool Diameter	0.5" or 0.625" with 0.5" shank
Max Tool Length	6" (from collet face)
Max Weight on Rotary Table	80 pounds
Program Communications:	Ethernet & USB

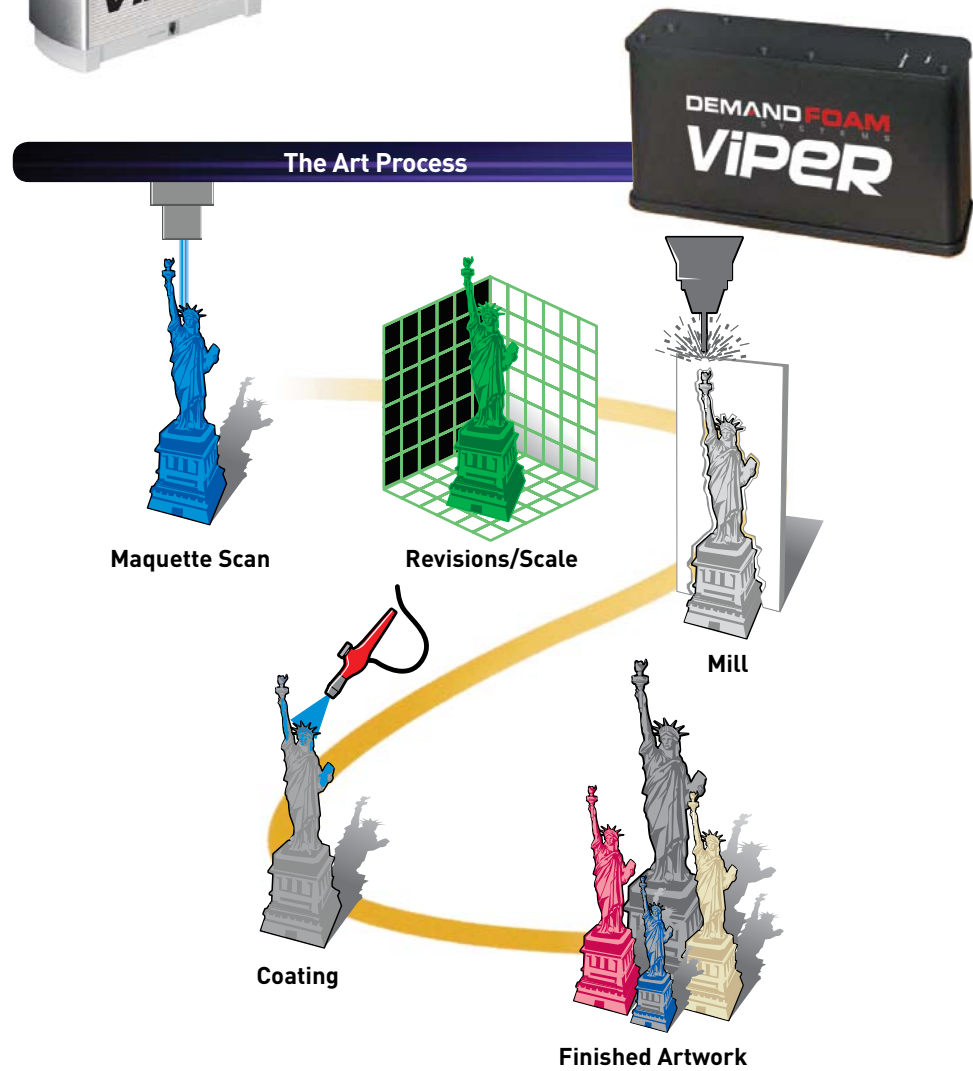
## SCANTECH VIPER™ 3D LASER SCANNER



Creating an intricate 3D file without the use of a 3D Scanning System is very time consuming, if not impossible. Demand's Viper™ Scanning System enables you to easily and rapidly scan your maquette, manipulate the scanned file as desired, and then pass the file onto the robot for milling.

The Scantech 3D™ Scanner can be mounted on any 3-axis, 5-axis or 3-axis turning lathe, thus allowing real 3D works on the object!

Scantech's 3D™ Scanner is 10 times faster than a mechanical probe, and soft or fragile models is no problem at all!



## HARDCOAT SPRAY SYSTEM



Demand's HardCoat System is the industry solution for Hard Shell Polyurea Coatings. HardCoat is used for theme design, 3d prop fabrication, film sets, hard coating precast molds, making surfaces water resistant and other industrial applications. Cured HardCoat Spray is lightweight, flame, impact, and water resistant. Demand's HardCoat System runs trouble-free longer, spraying better, and a perfect workhorse for your business.

### BENEFITS OF THE DEMAND HARDCOAT

- Dries to the touch in minutes.
- Superior hardness and easy to apply.
- Water resistant and chemically inert once cured.
- Spray in open molds for plastic parts production.
- Available in fire retardant formulas.
- Tough, stable surface coating for decorative building items, artificial landscapes, stage props, sculptures, etc.
- "Structural Foam" that's light weight, reducing the need for structural support.

\*Artwork: Hard Coat World

## TW848 INDEPENDENT AXIS CNC FOAM CUTTER



Single Wire 8' w/ Lathe & TurnTable

The Megaplot CNC foam cutter is a computer-controlled device used to cut any shape in expanded and extruded foams. The hot wire moves in the Y and X planes thanks to microstepper motors controlled by the PC. This allows for a great cutting quality and high cutting speeds.



- Will Cut Tapered Fluted Columns
- Comes Complete with Lathe and TurnTable
- 6 Independent Heavy Duty Stepper Motors
- Accepts Vector Art .plt or CAD .dxf Files
- Heavy Duty Extruded Aluminum Construction
- Cuts Up to 8' Wide by 4' High
- Automatic Wire Tensioner
- Ball Bearing Drive Track Systems
- Operates on 110 Volts
- Industrial Quality

Call us for a Quote and a Demonstration.

DEMAND PRODUCTS, INC. 1055 Nine North Dr. Alpharetta, GA 30004 USA  
Tel. 1.800.325.7540 Fax. 1.888.534.8383  
www.demandproducts.com | info@demandproducts.com

"CREATING SOLUTIONS FOR THEMEING & PRODUCTION ARTS"

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SYSTEMS