

Ceramic Saddles | Tower Packing

A cost-effective, simple, durable packing design

As a third-generation design and modern improvement on the Berl Saddles of the 1950s, MACH Ceramic Saddles are the most cost-effective type of tower packing. The Saddles have a curved, semi-ring shape with ridged walls on either side. Their consistent and uniform structure allow for predictable performance data. MACH Ceramic Saddles are ideal for applications requiring superior flow and gas-liquid transfer, and is the packing of choice for reliable corrosion resistant performance.



Nominal Size (in)	1/2 (13mm)	3/4 (19mm)	1 (25mm)	1 1/2 (40mm)	2 (50mm)	3 (76mm)
Void Fraction (%)	68	75	74	78	77	77
Geometric Surface Area (ft ² /ft ³)	198.1	106.68	76.2	50	36.6	28.96
Weight-PP (lb/ft ³)	53.06	46.82	43.7	40.58	37.46	34.34
Packing Factor (1/ft)	128	106.7	97.5	51.8	39.6	38.7

Standard Features:

- High chemical resistance at higher temperatures
- Resistance to thermal shock conditions
- Resistant to abrasion
- Good wetting characteristics
- Low cost, versatile size options
- Smooth surface, increased surface area

Materials Available:

- Ceramic

Applications:

- Corrosive acid applications
- Chemical distillations
- Cooling towers
- Absorption towers
- Tail gas Scrubber
- Regenerative Thermal Oxidizer (RTO) equipment
- Heat transfer

For Rental or Purchase Inquiries:

MACH Engineering, LLC

15750 Tuckerton Road, Houston, Texas 77095

(281) 550-3232 | sales@machengineering.com

<https://www.machengineering.com/>

SPECIALIZED IN DESIGN AND MANUFACTURING AIR & WATER POLLUTION CONTROL EQUIPMENT

Tower Packing, Column Internals, Custom Wet Scrubbers,
Rental Scrubbers & Engineering Support

Tower Internals

Available in Metal, Plastics,
Ceramic and FRP (Fiberglass)



PACKING SUPPORT



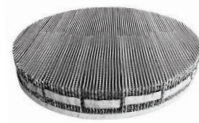
LIQUID REDISTRIBUTOR



MIST ELIMINATOR

Tower Packing

Available in Metal, Plastics,
and Ceramics



STRUCTURED SUPPORT



PLASTIC PACKING



CERAMIC PACKING

Custom Fabrication

We design and fabricate custom equipment to meet your specific needs. MACH has the capability to fabricate utilizing various metals and plastic materials such as stainless steel, aluminum, hastelloy, incolel, polypropylene, fiberglass, PVDF, CPVC, and others.

Consulting and Installation Services

For customers looking for assistance in developing a plan, MACH can help customers develop an action plan for a new project or troubleshooting an existing system. Our team of engineers can also provide experienced supervision of your installation to ensure proper installation procedures are followed.

Engineering Design

MACH performs rigorous mass and energy balance calculations for a wide range of industrial steady state processes with HETP calculations. Moreover, with the aid of Aspen Plus, we can optimize your current process in the plant, troubleshoot or debottleneck, and revamp your plant to increase productivity.