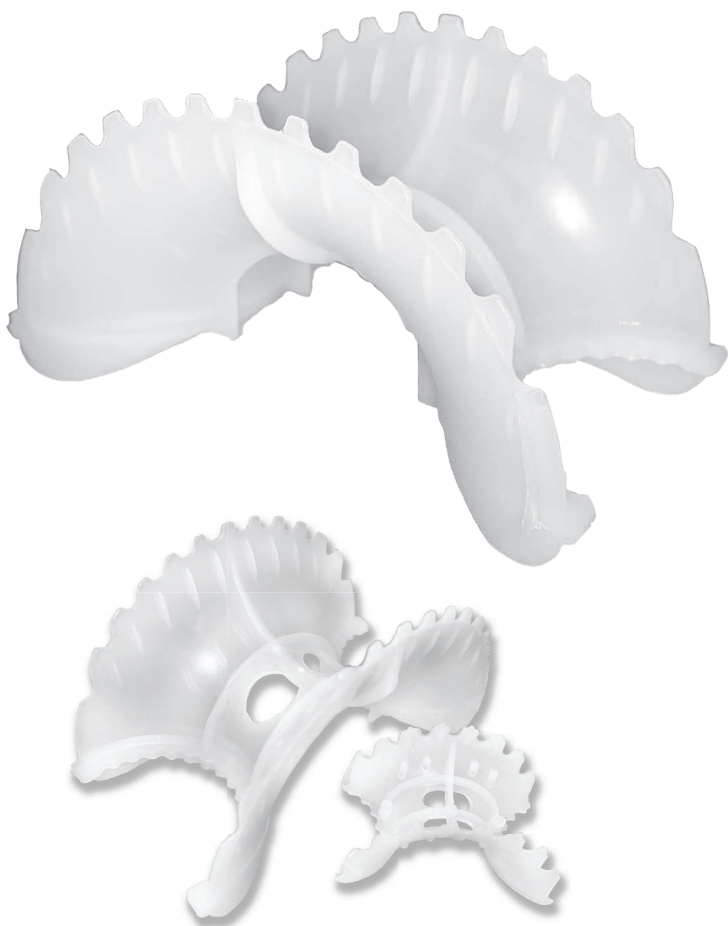




# Plastic Saddles | Tower Packing

**A cost-effective, highly versatile packing design**

Plastic Super Saddles feature a curved, saddle-like shape with a series of small openings in the arc and corrugations on the outer ridge. These openings are meant to promote the free passage of fluid thus minimizing pressure drop as well as prevent nesting. The scallops on the Super Saddles inhibit the tendency for the saddles to nestle on top of one another and help the packing retain its high performance. MACH Engineering's plastic Super Saddles are an excellent alternative to both INTALOX® plastic Super Saddles and our own Plastic Rings.

| Nominal Size (in)                                          | 1<br>(25mm) | 2<br>(50mm) | 3<br>(76mm) |
|------------------------------------------------------------|-------------|-------------|-------------|
| Void Fraction (%)                                          | 91          | 94          | 95          |
| Geometric Surface Area (ft <sup>2</sup> /ft <sup>3</sup> ) | 60          | 30          | 20          |
| Weight-PP (lb/ft <sup>3</sup> )                            | 4.7         | 3.3         | 2.8         |
| Packing Factor (1/ft)                                      | 33          | 21          | 16          |

## Standard Features:

- Void ratio as high as 95%
- Efficient mass transfer
- Uniform contact between gas and liquid
- Low pressure drop
- Higher liquid hold up than Raschig ring
- Excellent versatility
- Cost effective and affordable

## Materials Available:

- PP, PE, PVC, CPVC, PVDF (Kynar®), PFA (Teflon®)

## Applications:

- Desulfurization and decarbonization
- Various drying, scrubbing, and stripping towers
- Absorption, extraction, and heat transfer
- Sulphuric acid production
- Liquid separation processes

For Rental or Purchase Inquiries:

**MACH Engineering, LLC**

15750 Tuckerton Road, Houston, Texas 77095

(281) 550-3232 | [sales@machengineering.com](mailto: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



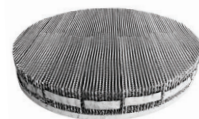
LIQUID REDISTRIBUTOR



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, inconel, 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.