Micropacked Bed Technology

600+ projects

kilo to metric ton scale

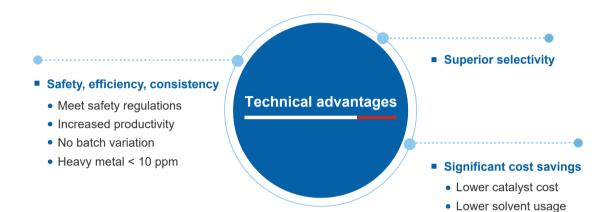
commercial and GMP projects

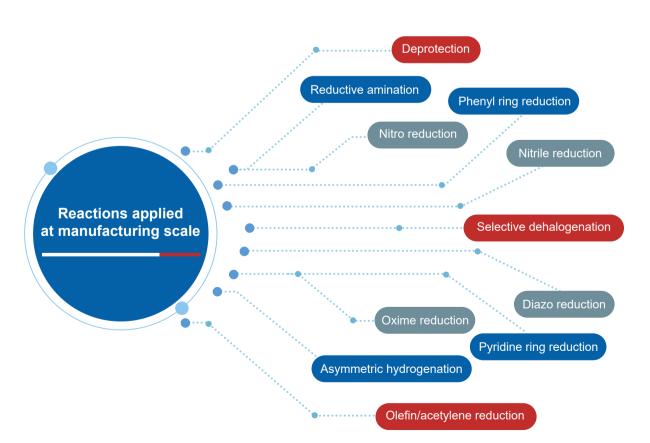
• Shorter production time



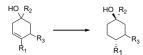
2024 ACS GCIPR CMO Excellence in Green Chemistry Award Winner

The award-winning project implemented innovative micropacked bed technology





Cases



Comparison	Batch	Micropacked Bed
Catalyst loading	3.3%	<0.5%
Reproducibility	Poor	Good
Solvent	20V	10V
Product delivered		Hundred Kilo



Comparison	Batch	Micropacked Bed
Catalyst	Raney Ni	Supported Catalyst
Product	74% (HPLC)	82% (HPLC)

Integrated solutions

- Proof of concept and bench-scale R&D of flow hydrogenation process
- Pilot-scale process research, design and operation
- Turnkey solution service for industrial-scale plant operation (including hydrogenation process, equipment and catalyst)

