Advanced Resin Handling, Drying and Downstream Extrusion Systems for the Plastics Industry
The Power of Personal and Intuitive Touch

Our people are plastics professionals who know and speak the process. We visit your plant, make recommendations, audit your equipment/power consumption and help you implement the best system for your application needs.

Most of our equipment features intuitive PLC touchscreen technology with simple graphical interface, on-board alarms, diagnostics and solutions... all through the “Power of Touch”!

The Power of Predictive and Prescriptive Maintenance

Air, vacuum, water or electricity flow are critical to every plastic processor’s operations. NOVATEC, using proprietary Prophecy Sensorlytics™ technology coordinates predictive maintenance with your production schedule to increase uptime and help you avoid run to failure situations.
Resin Handling & Conveying

Vacuum Pumps
- UVP
- VPDB
- VRB
- SVP
- Lower Noise NEW!
- Up to 25 hp

System Valves & Accessories
- Station T Sequencing Valve SV
- External Proportioning Valve EPV & DSV
- Vacuum Purge Takeoff Valve VPT
- Vacuum Take-Off Box VTB & MTB
- Drawer Magnet DM

Self Contained Loaders
- VL
- GSL
- VRH
- VRH-FL Filterless NEW!
- For Powder & Pellets Up to 1,000 lbs/hr

Vacuum Receivers
- VR
- VRH
- For Powder, Pellets & Regrind Up to 114 lb Capacity

Filters & Dust Collectors
- External Line Valve ELV
- Closed Loop Relief Valve CLR
- Cyclone For 1.5" - 4" O.D. Line Up to 25 HP
- Floor Filter w/Pulse Clean 50 & 124 cubic ft For 1.5" - 4" O.D. Line FDC

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- For 1.5" - 4" O.D. Line

All products are designed for high efficiency and reliability in resin handling and conveying applications.
Resin Handling & Conveying

Central Conveying Controls

Surge Bins
- Up to 450 cubic ft

FX2 Connects with up to 34 WSB blenders and 12 silos

For up to 160 receivers and 20 pumps
FX2

MCS-600
- For up to 96 receivers and 16 pumps

Railcar Unloading Systems
- 4" - 6" O.D. Line
- Up to 50 HP

Quick Selection Material Manifold w/ Optional "Proofing" GSM

Materials Selection & Identification

Silo Storage
- Up to 15,000 cubic ft

Gaylord Sweeper System SW

MCS-600
- Modular Surge Bin MSB

Tilt Tables TT
Resin Drying Technology

Throughputs Up to 5000 lbs/hr

All NovaWheel™ Dryers Come Standard with NovaTouch™ Color PLC’s

The Desiccant Wheel is Built for Efficiency

100% Pure crystalline desiccant is embedded in a woven substrate.

The result is 100% pure molecular sieve desiccant that is permanently bonded onto the substrate, delivering a uniform -40°F dew point.

This desiccant impregnated substrate is then formed into a tightly woven wheel that contains more pure desiccant than a twin tower of 3 times its size.

Press Side Throughputs Up to 200 lbs/hr

Compact Medical Membrane Resin Dryer Up to 5 lbs/hr

NDM Series

Patented Membrane Resin Dryer Up to 225 lbs/hr

NovaDrier™

Dual Bed Desiccant Dryers Up to 5,000 lbs/hr

NDB Series

Portable Drying & Conveying Up to 300 lbs/hr

NovaWheel™ Series

NDM Series

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NovaWheel™ Series
Resin Drying Technology

Crystallizing

- Infrared PET Crystallizer/Dryer
  - Up to 4,000 lbs/hr
  - IRD

- PET Crystallizer System
  - Up to 5,000 lbs/hr
  - CCR Series

Gas Fired Heater

- Gas Fired Process Heater
  - 185,000 - 1,350,000 btu/hr
  - GFH

Central Drying Solutions

- On-Board or Central Drying Controls
- MoistureMaster
  - Precision Online Moisture Analyzer

- Avoid Rejected Parts & Downtime
- Eliminate Off-line Moisture Checks
- Save Energy with Moisture Level Controlled Drying
Gravimetric Blenders & Feeders

Gravimetric Blenders

- Maxibatch™ Blenders Series 2400 and 3000: Up to 12,000 lbs/hr (5,500 kg/hr)
- Series 1800: Up to 5,000 lbs/hr (2,270 kg/hr)
- Series 400: Up to 1,450 lbs/hr (650 kg/hr)
- Series 200: Up to 500 lbs/hr (400 kg/hr)
- Series 100: Up to 450 lbs/hr (200 kg/hr)
- Micro Blender: Up to 140 lbs/hr (64 kg/hr)
- Micro Plus Blender: 350 lbs/hr (160 kg/hr)

Now Up to 4,000 lbs/hr (1,800 kg/hr)

High Capacity Blender

- MAXIBATCH™: Up to 12,000 lbs/hr (5,500 kg/hr)

Feeders

- Regrind Feeder: 1.8 - 1,000 lbs/hr (8 - 450 kg/hr)
- Color Feeder: 25 - 600 lbs/hr (125 - 270 kg/hr)
- Vacuum Take-Off: Up to 3 cubic ft

Accessories

- Hopper Extension: Increased Hopper Capacity
- Vacuum Take-Off with Stand: Up to 3 cubic ft

MGF
MCF
VTA
Downstream Tubing/Profile Equipment

Self-Sealing Poly Tank Sections Bolt Together to Expand The Tank Size as Needed

Servo Cutter with Conventional and Above the Flywheel Discharge Available in 2, 3, 4 and 5” Bushing Sizes
Bessemer C and NC Series

Choice of Single and Dual Servo Drive Puller Models Ranging from 2” Wide to 6” Wide
Bessemer NP Series

20” Servo Traveling Up-Cut Saw

Roto Molded Spray Tanks and Stainless Steel Vacuum Tanks in Modular 6 Foot Sections 8”x8” and 12”x12”
Bessemer NCT Series

Total Systems Responsibility

Complete Design, Installation and Start-up Available

Whether you need a central resin handling system, central drying or a downstream extrusion system, NOVATEC has professional plastics engineers with in-plant experience to evaluate and determine your factory-wide system and help you plan for the future.

There are no cookie cutter approaches from our salespeople. Instead, we focus on the personal touch of peer level plastics engineers to help you design, integrate and install the best system possible for your plant.