RATE TECHNOLOGY SYSTEMS LTD.

MANUFACTURERS & EQUIPMENT

Your process. Our expertise.

Bulk material handling and process equipment solutions across Canada.

EQUIPMENT LINE CARD

Explore the full range online. Click any card to learn more.

Flexicon
Flexible screw, tubular cable, and pneumatic/vacuum conveying; bulk bag fillers/unloaders, bag dump stations, box and drum tippers.

BFM Fittings
Flexible connectors, spigots, blanking caps, weighing bellows, custom flexible hoppers, and breather socks for dust-tight transfer points.

Vortex
Slide gates, diverters, loading spouts, iris and butterfly valves, flow control, and aero-slide conveyors.

Silverson
High speed, high shear mixers, homogenizers, emulsifiers, and lab mixers.

Dings Magnetics
Overhead magnets, drum magnets, pulley magnets, and eddy current separators.

Hartzell Air Movement
Industrial fans and air movement solutions for demanding plant environments.

Russell Finex
Screening, sieving, filtration, deblinding, and separation equipment.

Acrison Feeders
Volumetric feeders, gravimetric feeders, controllers, and bin dischargers.

Prater
Rotary airlocks, mills, grinders, air classifiers, and particle size reduction systems.

ADS Metal Detection
Metal detection systems for equipment protection and product contamination control.

Munson Machinery
Mixers, blenders, rotary batch mixers, ribbon blenders, and size reduction equipment.

Sentry Equipment
Automatic samplers for pneumatic, gravity and static applications.

Scientific Dust Collectors
Dust collection systems, baghouses, cartridge collectors, bin vents, and filter receiver solutions.

UWT Level Control
Level measurement sensors and transmitters for dry solids silos or bins; and liquid tanks or vessels.

KWS Manufacturing
Rigid shafted and shaftless screw conveyors, bucket elevators, screw feeders, and thermal conveyors.

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SOLIMAR Aid Pads
Fluidizing aid pads for bins, hoppers, and silos to improve material flow and help prevent bridging.

BS&B; Safety Systems
Explosion protection, rupture disks, flameless vents, and industrial safety systems.

Binder+Co CLARITY AI
AI optical sorting technology for material recovery, contamination removal, and process optimization.

FKI Scrubbers & Cyclones
Particulate filtration, gas scrubbers, and high efficiency cyclones.

AirSweep
Material flow aid systems for bins, hoppers, silos, and difficult discharge applications.

Metal Fab Industries
Bin activators, live bottoms, and automatic bag slitters.

Siftex
Traditional rubber hose connectors, plastic sleeves, cloth sleeves, and screener cleaning balls.

JVI Vibratory Equipment
Vibratory feeders, screeners, tables, bin vibrators, and material flow equipment.

Matcon
IBC systems, cone valve technology, IBC blending, and powder handling systems.

Britech
Temperature control, heat trace cables, self regulating cables.

Aicon X-Ray Imaging
X-Ray detectors and sensor systems.

Other Equipment Lines
Tell us your application. We can help source equipment, installation support, and dust hazard analysis.

Let’s solve your next process challenge.

Conveying • Feeding • Mixing • Screening • Inspection
Dust control • Material flow • Level measurement

Scan for equipment details, application support, and quote requests.

RATE TECHNOLOGY SYSTEMS LTD.

APPLICATIONS & SOLUTIONS

See the problem. Call RTS.

18 common plant challenges. Spot the issue and send us a photo.

Empty Bags & IBCs without the mess

Avoid dust clouds, heavy lifting, and product left in bags.

Equipment: Bulk bag (Super Sac / 1,000 kg bag) unloaders, 25kg bag dump stations, box & drum tippers, and sealed connectors.

Stop leaks at transfer points

Leaking sleeves, dusty clamps, and connectors that are difficult to clean.

Equipment: BFM fittings, spigots, caps, weighing bellows, flexible hoppers, breather socks, and Siftex sleeves and connectors.

Move material through the plant

Avoid manual carrying, spills, or slow transfer between equipment.

Equipment: Flexible and rigid screw, tubular cable, pneumatic/vacuum, aero-slide, thermal and vibratory conveyors; bucket elevators, gate/diverter valves, and loading spouts.

Fill Bags & IBC Boxes/Drums cleanly and accurately

Avoid spills, slow filling, or inconsistent bulk bag weights.

Equipment: Bulk bag fillers, bulk bag loading connectors, weighing systems, and dust extraction.

Feeding, Dosing & Flow Control

Deliver the right amount at the right rate.

Equipment: Volumetric and gravimetric feeders, screw feeders, rotary airlocks, and gate and diverter valves.

Remove lumps and oversize

Avoid clumps, coarse particles, or unwanted material affecting the product.

Equipment: Sieves, screeners, deblinding systems, and liquid filtration equipment.

Mix and blend consistently

Avoid uneven dry blends, liquid lumps, or long mixing times.

Equipment: Dry mixers and blenders, high shear liquid mixers, homogenizers, emulsifiers, disintegrators, and dissolvers.

Industrial Fans & Ventilation

Avoid fumes, heat buildup, moisture, dust and corrosive air putting a strain on standard exhaust systems.

Equipment: Backward-inclined FRP centrifugal fans, axial fans, blowers, silencers, and custom acoustic enclosures.

Separation, Detection & Inspection

Protect equipment. Inspect products. Recover value.

Equipment: Magnetic and eddy current separators, metal detectors, X-ray inspection, and AI optical belt and chute sorters.

Grind to the right particle size

Material is too coarse or varies in size for the next process.

Equipment: Hammer mills, fine grinders, lump breakers, and air classifier mills.

Dust Collection & Air Filtration

Maintain a safe work environment for employees and for the community around your site.

Equipment: Dust collectors, bin vents, dust collector retrofits, cyclones, filter receivers, scrubbers, and severe-duty cyclones.

Know when bins are full or empty

Avoid overfills, unexpected shortages, or unreliable inventory readings.

Equipment: Point level switches and continuous level sensors and transmitters for dry solids in bins/silos and liquids in tanks/vessels.

Automatic Sampling

Take representative samples with less interruption.

Equipment: Automatic samplers for gravity flow, pneumatic lines, and static material.

Heat Trace & De-Icing

Prevent freezing and control process-line temperatures.

Equipment: Heat trace cables, roof and gutter de-icing systems, temperature controls, sensors, and accessories.

Get bins and hoppers flowing

Avoid material bridging, sticking to walls, or needing hammering to discharge.

Equipment: Bin activators, Air Sweeps, vibrators, vibratory feeders, and live bottom screws.

Dust Explosion Protection

Address combustible dust hazards.

Equipment: Explosion vents, flameless venting, suppression, isolation, and DHA coordination with specialist partners.

Liquid Handling & Processing

Move, measure, filter, and control liquids.

Equipment: Liquid mixers, filters, level sensors, liquid feeders and dosing pumps, transfer pumps, tanks, vessels, and heat exchangers.

Project, Installation & Startup Support

Get equipment working as part of your process.

Support: Equipment selection, supplier coordination, installation planning, commissioning, troubleshooting, and DHA coordination with specialist partners.