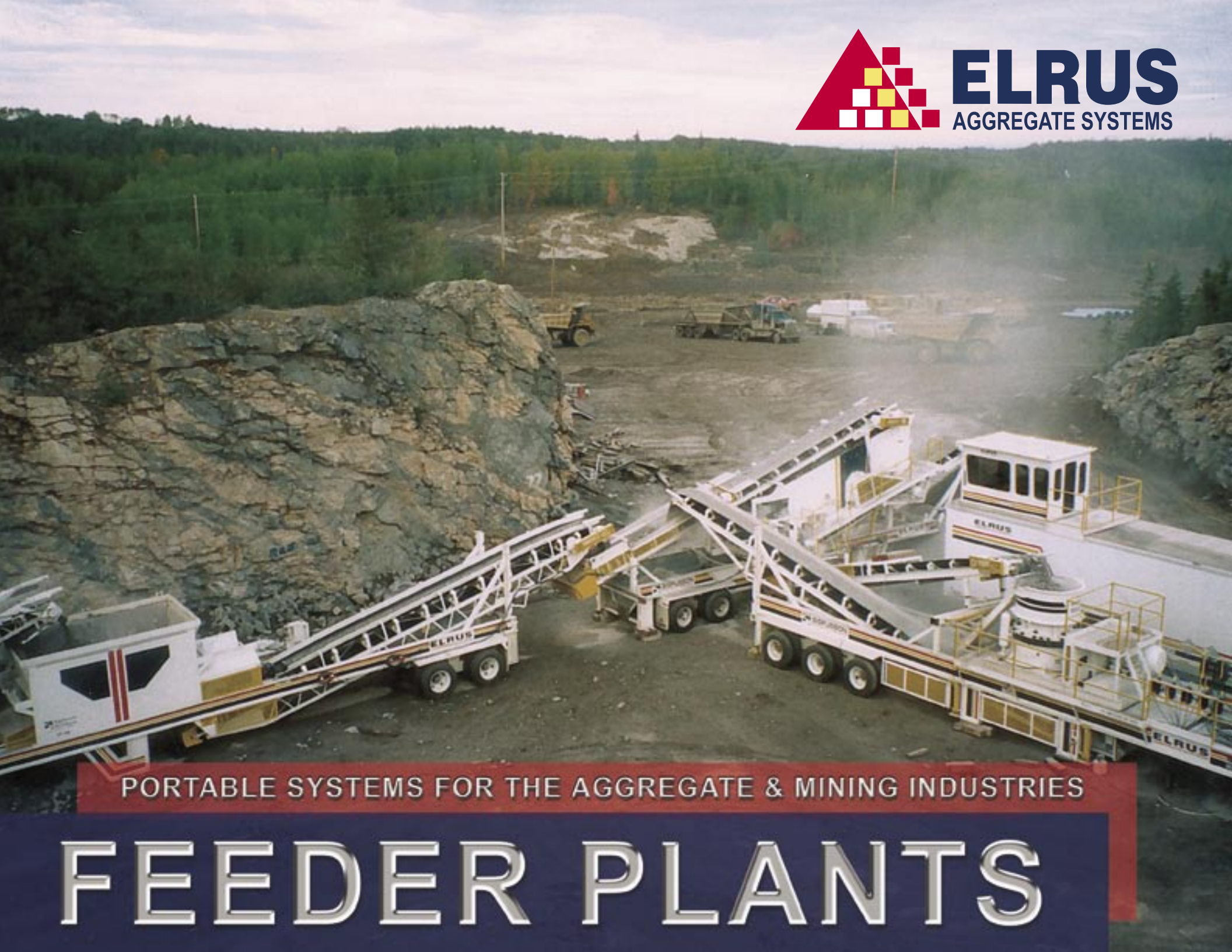
ELRUS
AGGREGATE SYSTEMS



PORTABLE SYSTEMS FOR THE AGGREGATE & MINING INDUSTRIES

FEEDER PLANTS

42″ Portable Belt Feeder



Chassis:
- 18″ w.f. main frame
- Fifth wheel pin assembly under hopper
- ELRUS HD tandem walking beam suspension

Hopper:
- ⅜″ plate hopper with bulkheads on both sides
- 16′ x 8′ hopper top opening - 20 cu. yds.
- Self relieving bottom opening
- Tri-bar adjustable grizzly bars
- Hydraulic grizzly dump with 4″ diameter Heavy-duty cylinders
- 15 hp hydraulic dump system
- Grizzly hinges complete with pins and bushings are case hardened

Feed Belt:
- 42″ x 20′ removable belt feeder cartridge
- 18″ head pulley
- 14″ self cleaning tail pulley
- 25 impact roller assemblies mounted on 2⅜″ shafts with pillow block bearings
- 42″ wide 3-ply 600 ¼″ conveyor belting
- 10 hp Torspec variable speed drive c/w remote speed control
- Eurodrive gear reducer 105:1 reduction
- Final #140 chain drive to head pulley

48″ x 46′ Adjustable Discharge Conveyor:
- 24″ deep lattice frame conveyor
- 16″ rubber lagged head pulley
- 14″ self cleaning tail pulley
- Dodge TA4207 reducer
- 20 H.P. T.E.F.C. electric motor
- 42″ 3-ply 3/16 x 1/16 belt with vulcanized splice
- 35º – 5″ Troughing assemblies
- 5″ spill boards installed full length of conveyor

36" Portable Belt Feeder



Chassis:
- 16" WF Main frame
- Two (2) blocking legs
- ELRUS Tandem axle walking beam suspension
- Fifth wheel pin assembly under hopper
- Pick-up hitch

Hopper:
- 8' x 13' Self relieving hopper assembly - ¼" plate
- Approximately 15 cubic yard capacity

Hydraulic Side Dumping Grizzly:
- Heavy duty adjustable bars
- Heavy-duty 4" diameter dumping cylinders
- 10 HP C-flange Electric motor, 11 GPM pump and Yuken controller
- Three (3) hinges with case hardened pins & bushings
- Remote dump control

Feed Belt:
- 36" x 15' removable belt feeder cartridge
- 16" Rubber lagged head pulley
- 14" Self cleaning tail pulley
- Seventeen (17) rubber impact rollers
- Goodyear 3-ply 600 ¼" Conveyor belt with vulcanized splice
- Eurodrive gear reducer 63:1 reduction #140 Chain drive to head pulley
- 10 HP Torspec variable speed drive c/w remote speed control and 100' cable

42" Delivery Conveyor:
- 24" Deep adjustable height lattice frame
- 14" Rubber lagged head pulley
- 12" Self cleaning tail pulley
- 15 H.P. T.E.F.C. Electric motor
- Dodge TA4207 reducer c/w V-belt drive
- 35° Troughing idlers (4 rubber impacts assembled at feed point)
- 3-ply 3/16" x 1/16" Conveyor belting with vulcanized splice
- Spill boards full length of conveyor

30" Portable Belt Feeder



Chassis:
- 16" WF main frame c/w single axle
- Four (4) 11 x 22.5 wheels & tires

Hopper:
- 7'6" x 12' self relieving hopper assembly - ¼" plate
- Approx. 12 cu. yd. capacity

Feed Belt:
- 30" belt feeder cartridge
- 5" steel rollers
- 12" rubber lagged head pulley
- 12" self cleaning tail pulley c/w 2 7/16" take up bearings and shaft assembly
- Goodyear 30" 3-ply ¼" x 1/16" conveyor belting with vulcanised splice Dodge 4207 reducer
- 5 H.P. T.E.F.C. electric motor drive

36" x 33' Delivery Conveyor - Channel Frame:
- 36" adjustable end delivery conveyor
- Goodyear 36" wide 3-ply 3/16" x 1/16" conveyor belting with vulcanised splice
- 10 H.P. T.E.F.C. electric motor
- Dodge 3203 speed reducer and v belt drive
- 12" rubber lagged head pulley c/w 2 7/16" pillow block bearings & shaft
- 12" crowned self cleaning tail pulley c/w 2 7/16" take up assemblies & shaft

Optional Equipment:
- Hydraulic Side Dumping Grizzly
- Flat bar round bar grizzly
- 6" fixed spacings (adjustable optional)
- 5 hp hydraulic dumping system remote controlled from tower

24" / 36" Skid-mounted Belt Feeders



36

30" Surge Feeder



- 6′ x 5′ x 5′ Hopper
- 12″ diameter head and tail pulleys
- 1 15/16″ pillow block bearings
- 5 HP motor
- TA4207 Dodge gear box
- 30″ x 6′ feed cartridge
- 4 adjustable height stands

Multiple Bin Feeders



Skid Frame:
- 16" WF Main Frame

Hoppers:
- 5 - 8' x 13' x 6'6" hoppers
- Approximately 11½ yd capacity
- ¼ m.s. plate construction
- Manually operated flow control gates

Feeders:
- 5 - 24" x 8' belt feeders each complete with:
  Goodyear 330 p.i.w. belting with vulcanised splice
- 12" crowned rubber lagged head pulley
- 12" crowned self cleaning tail pulley
- 5" dia. flat carrier idlers on 10½" centres
- TXT 325 dodge reducers
- 3 H.P. electric motors
- 4 frequency controllers for variable speed
- 1 master VFD optional

36" Collecting Conveyor:
- Goodyear 330 p.i.w. belting with vulcanised splice
- 12" crowned head pulley
- 12" self cleaning tail pulley
- 36" x 35° steel troughing assemblies with 5" rollers
- 36" steel return rollers
- 10 H.P. T.E.F.C. electric motor
- Dodge TA3203 gear reducer

Features of Belt Feeders



Self relieving hopper w/ 1 x 6″ wear plates



Tri-bar design grizzly bars



Tri-bar adjustable grizzly bars HSS frame



Case hardened pin/hinge



Hydraulic grizzly dump w/HD cylinder



Removable HD feeder cartridges



Slide-out feeder belt cartridge



Impact roller assembly c/w 2⅜″ shafts and bearings



Torspec vari-speed control c/w right angle eurodrive and chain & sprocket final drive



Hydraulic package for hydraulic dump



Lattice frame conveyor w/adjustable height spill boards full-length



ELRUS HD walking beam suspension

30 Cu. Yard Loadout Bins



Main Frame:
- 15" channel main frame construction
- Single axle c/w Four (4) 11 x 22.5 tires c/w fenders & mud flaps
- ladder to sample platform

Hopper:
- 30 yd capacity
- 10' 2" x 13' inside hopper dimensions
- ¼" plate construction
- 22"w x 18"h adjustable discharge gate

48" Discharge Conveyor:
- 40 H.P. T.E.F.C. electric motor
- Dodge 5215 gear reducer c/w backstop
- 16" diam. rubber lagged, head pulley c/w 3 7/16" diam. shaft Dodge S2000 spherical roller bearings
- 14" diam. self cleaning wing type tail pulley
- 48" wide 3/16" x 1/16" 3-ply conveyor belt c/w vulcanised splice (330 p.i.w. rating)

Optional Equipment:
- Transfluid torque drive

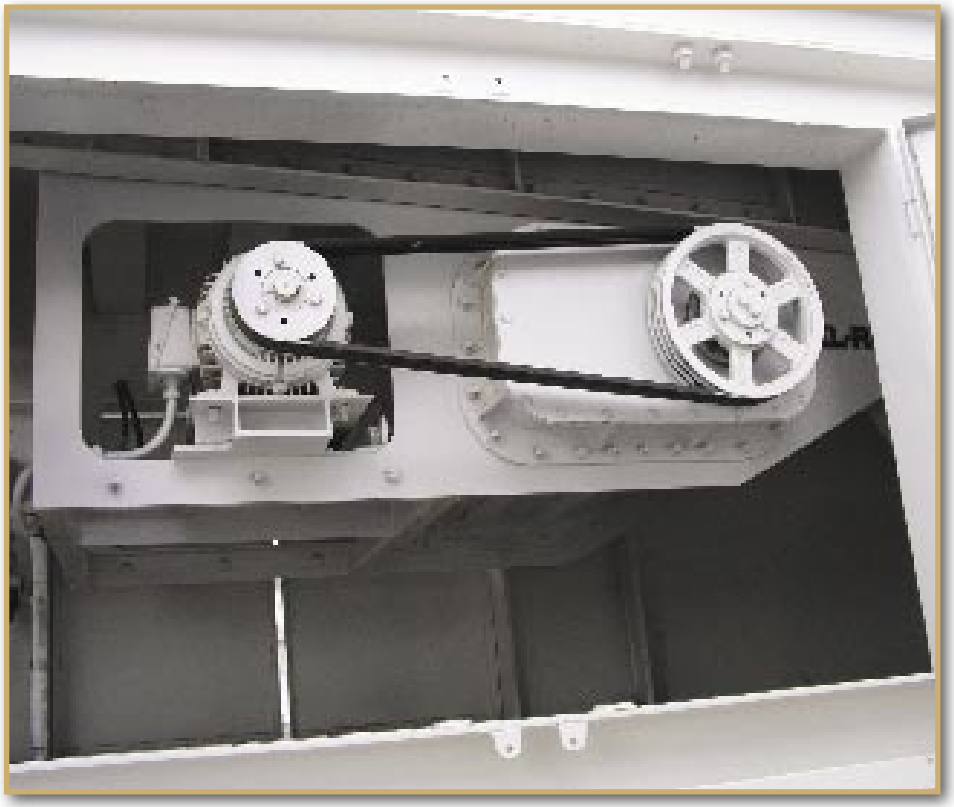
VGF sizes available from 38″ x 16′ to 54″ x 20′



Pan Feeder



VGF showing adjustable step deck bars



Integral drive



Twin shaft with 110 mm bearings



Adjustable grizzly bars



Replaceable pan liner



Step deck grizzly bars



8″ x 8″ x ½″ HSS pan supports



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