



KRENDL

#1000

The model #1000 **all-fiber** (airlock) machine provides maximum agitation, hopper capacity and total versatility in a competitively priced unit.



MATERIAL PRODUCTION RATE

lbs/hr (kg/hr) rating with 150ft. (45.8m.) of 3" (7.6cm.) hose at 16ft. (4.9m.) elevation

MATERIAL	MACHINE w/double 3-stage blower lbs/hr(kg/hr)	MACHINE w/shredder & double 3-stage blower lbs/hr(kg/hr)	MACHINE w/3 or 4 3-stage blower lbs/hr(kg/hr)	MACHINE w/shredder & 3 or 4 3-stage blower lbs/hr(kg/hr)
FIBERGLASS	600(272)	900(409)	600(272)	1000(454)
ROCKWOOL	1200(545)	1800(817)	1200(545)	1800(817)
CELLULOSE	1800(817)	2400(1090)	1800(817)	2400(1090)

Product density and variable blowing conditions will affect production rate. Three and four blowers systems will enable machine to increase range (hose length and elevation) while maintaining production rates.

STANDARD FEATURES

- modular component design
- safety guards and hopper bars
- flip-top hopper 16 cu. ft. (.44 m³)
- four (4) agitators (stainless steel)
- adjustable speed, all steel airlock
- 2hpTEFC motor/reducer (1260 in./lb. torque)
- #50 nickel plate double chain/hardened steel sprockets
- improved blower connection/check valve protection and filter design w/ 4" (10.2cm.) outside fresh air inlet
- multiple blower capability/single material output
- cord hanger

BENEFITS

- quick disassembly/reassembly for easy troubleshooting and maintenance
- operator safety
- quick easy access to airlock
- enhanced conditioning of fibers with no corrosion
- enhanced spraying and metering capabilities
- durable direct drive transmission for the toughest blowing materials
- rugged, corrosion/abrasion resistant drive system
- increased blower efficiency and durability/less filter maintenance/better protection of blower
- increased range and back-up blower capability
- handle/cord hanger for convenient storage of cords

Electrical

- pre-alarm buzzer
- main disconnect/power interruption shutdown
- emergency kill switch
- manual override at machine
- 150ft.(46m.) remote control cord/3 position switch
- deluxe voltmeter
- multiple auxiliary convenience outlets
- overload protection on transformer and all motors
- operator safety/alerts operator **before** machine starts
- disconnects power to panel **before** allowing access/manual restart
- operator safety/quick hazard response
- operator safety/enhanced troubleshooting and control at machine
- operator safety/ increased operator control of feed and blower
- indicator for low/high voltage protection of motors
- easy addition of accessory devices(i.e., wetting, wireless, pump systems)
- complete protection of all electrical components

WEIGHT

590 lbs. (268 kg.)

DIMENSIONS

55"W x 25"D x 42"H
(140cm. W x 63cm. D x 107cm. H)

HOPPER CAPACITY

16 cu. ft.(.45 m³)
32 cu. ft.(.91 m³) w/Extension

AIRLOCK

12" x 12" diameter (30.5cm. x 30.5cm. diameter)
3" (7.6cm.) outlet for blowing hose

POWER REQUIREMENT

single input,30 amp/240volt/60hz
double input, 20amp and 30amp/120volt/60hz
(consult factory for hook-up)
(230volt/50hz available for export)

BLOWERS/SIZES

12.5 amp/3-stage (120volt)

RECOMMENDED GENERATOR

9500 watts (for machine only)

CE MARK CONFORMITY

See reverse side for more information.

SPECIFICATIONS

BLOWER	AIRLOCK PRESSUR (P.S.I.)	BLOWER RATING (C.F.M.)	BLOWER AMPERAGE	AGITATOR AMPERAGE
SINGLE 3-STAGE	3 1/4	94	12.5	20
DOUBLE 3-STAGE	4	94 (x 2)	12.5 (x 2)	20

When figuring rates for 230volt/50hz, divide amperage ratings by half.

OPTIONS (See diagram at right)

- bushing reducer - 2" (5.1 cm.) or 2 1/2" (6.4 cm.)
- 5" (12.7 cm.) standard duty wheel package or heavy duty locking wheel package
- hopper extension - 44"W x 20"D x 32"H (112cm.W x 51cm.D x 81cm.H)
- one 12.5 amp/3-stage blower
- two 12.5 amp/3-stage blowers
- four 12.5 amp/3-stage blowers
- shredder system-add 4 1/2" (11.4cm.) to machine height
- 230volt/50hz (for export) **CE** Mark Conformity

These options will offer the user increased capacity and production rate, portability, and varying sizes of hose while satisfying export requirements.

ALL-FIBER MACHINE - THEORY OF OPERATION

(See diagram at right)

This unit is designed to accept all fiber materials into the hopper area of the machine, passing through a multi-step agitation system and dropping into the rotating airlock feeder. The airlock feeder has a crankgate control providing precision feeding of fiber for open blowing, sidewall blowing, and spray-on applications. Fiber is then rotated to bottom of airlock where air from the blower motor pushes fiber from the rotating chambers through the hose. Material and air is prevented from escaping into the machine while in the airlock by six rubber seals which conform to the airlock inner wall as the chambers revolve. The blower motors (double 3-stage, 12.5 amp) is a high speed unit with low amperage designed to blow air. (Fiber **does not** pass through the blower fan chamber.) The high pressure and adjustable volume provides low amperage, low noise, and minimal attic dust. This reduces hose plugging problems and gives longer blower life.

Note: All-fiber/airlock machines provide slightly less coverage than thru-blower machines. Airlock machines cannot duplicate the high speed (13,000 r.p.m.) conditioning effect of fiber passing through the blower. Airlock machines blow the fiber closer to settled density which eliminates the need for overblowing material to compensate for progressive settling.

