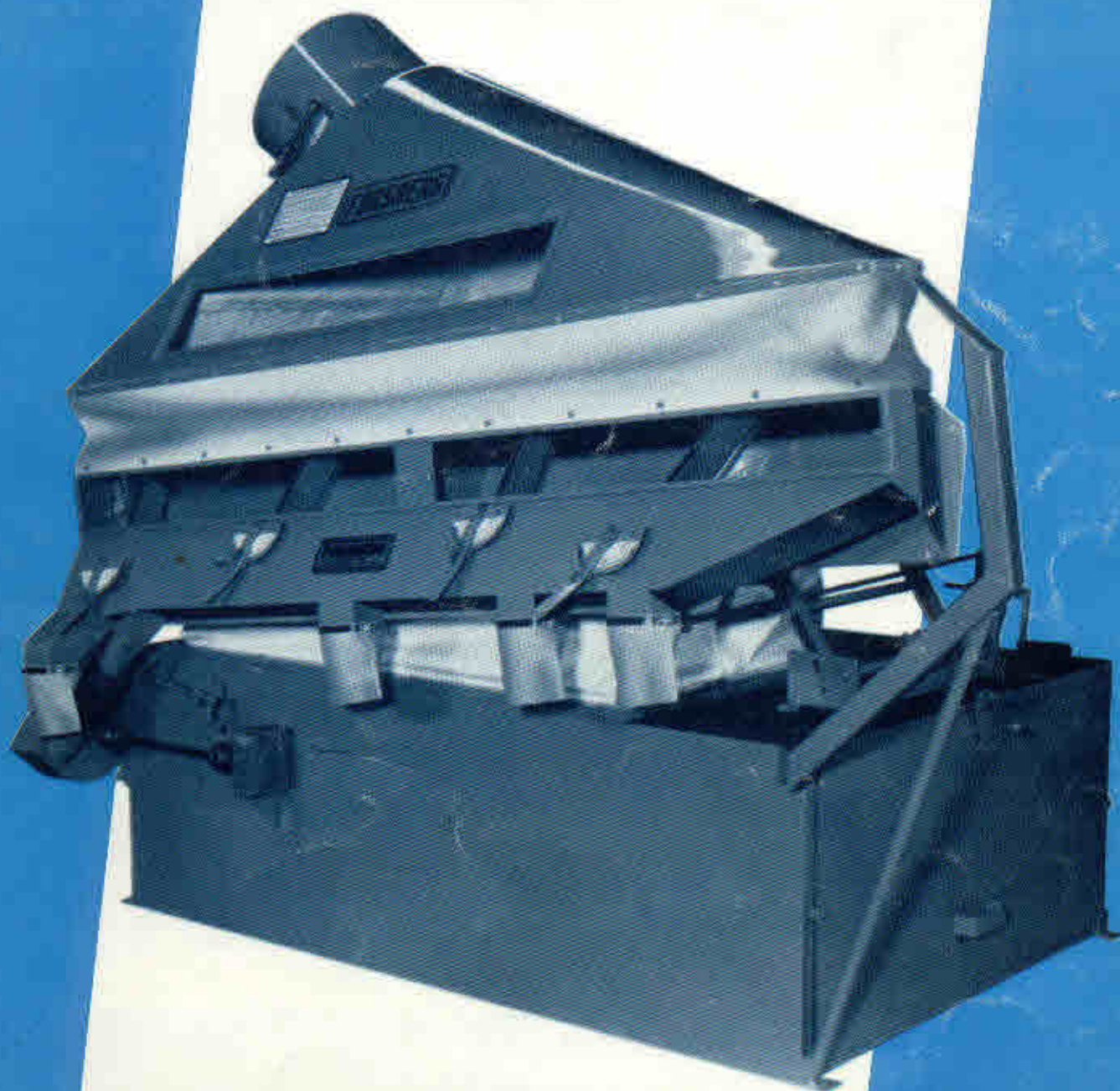# FORSBERG

VACUUM GRAVITY
SEPARATORS

"A Leader In Separation Machinery"

FORSBERG
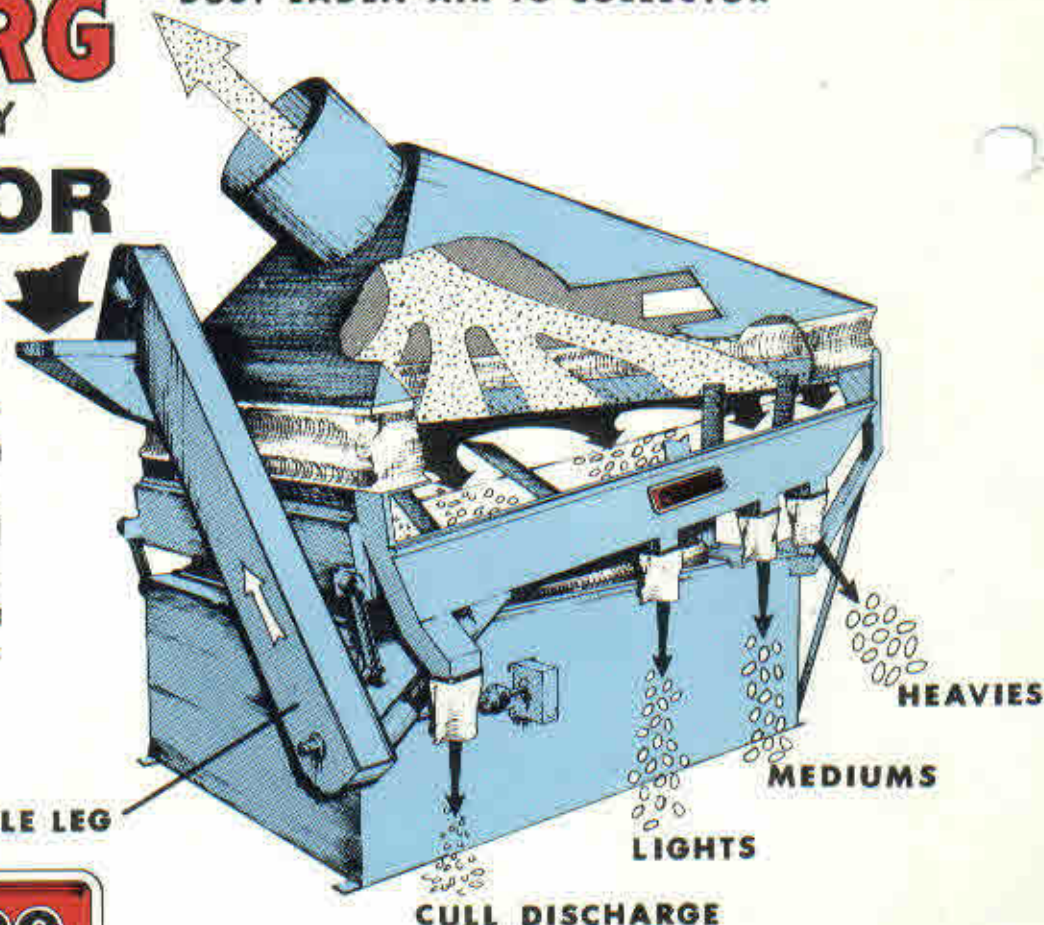## VACUUM GRAVITY
SEPARATOR

FEED INLET

DUST LADEN AIR TO COLLECTOR

FEATURING: All steel construction with a fiberglass vacuum hood, metal decks and air baffles, sanitary divider adjustments, all metal rubber-bushing suspension, and deck adjustment system, a counter-balanced drive and accurate simplified crank controls.

RECYCLE LEG

HEAVIES

MEDIUMS

LIGHTS

CULL DISCHARGE

FORSBERG

Dust-Free, All-Enclosed Separation For Unlimited Applications

NO-BLAST FANS OR OPEN DECK AREAS! The Forsberg Vacuum Gravity is **completely enclosed.** Outside air can be brought into the separator and returned to an outside collector. Better yet, use a Forsberg closed circuit air supply system, AIRECYCLE, for a completely dust-free operation. (See back page)

COMPLETE ACCURATE SEPARATIONS! The vacuum gravity's separation system provides complete and accurate density classification from the very lightest to the very heaviest — all at fingertip control. The easy-to-adjust divider blades allow unlimited control of the product discharge. Five inspection windows for operating convenience.

ALL STEEL CONSTRUCTION! This all steel construction includes the decks, deck covers, rails, air baffles and heavy duty base, which is free of bottom obstructions, for ease of cleaning, using steam, etc., to eliminate product contamination or pollution.

TOTAL CONTROL OF AIR! Exclusive type of under-deck feathering insures correct air distribution through the deck, so vital to material stratification and good product separation.

RUBBER BUSHING SUSPENSION! The deck's separation movement is enhanced by a rubber suspension system which permits a more sensitive machine adjustment and control. This system is available in replacement kits for older models.

UNIVERSAL INSTALLATION! Install the Forsberg Vacuum Gravity almost anywhere. You need a clean air supply and a level, solid foundation. Right or left hand models are available for combined processing lines. Metal air filters are provided when applicable.
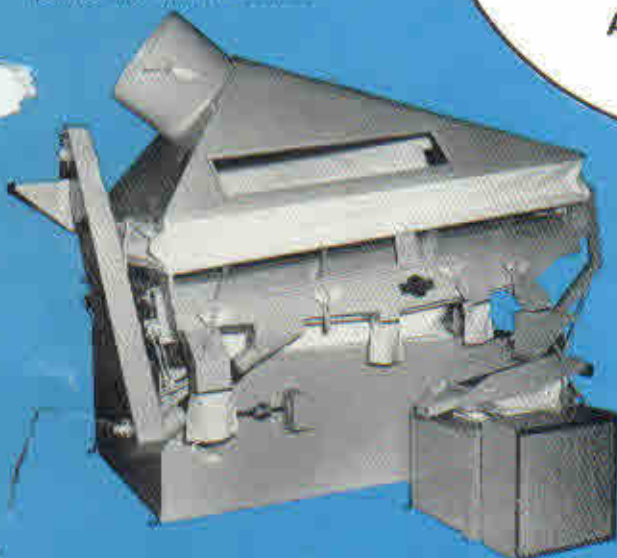
RECYCLE LEG is available to permit the light and middling product to be recycled for a more precise separation of tailings or cull materials.

Numerous options and modifications are available such as, an augered product return, auxiliary feed hopper, steel vacuum hood, stainless steel on product contact parts, etc. For more complete information about your separation needs, consult FORSBERGS INC., P.O. Box 510, Thief River Falls, Minnesota 56701.

FORSBERG

MODIFIED MODELS OF

GRAVITY SEPARATOR

FOR SPECIALIZED APPLICATIONS

VMS — FILTERED MODEL: This standard Vacuum Gravity is modified for use where an outside source of air is not available. It utilizes built in air filters for inside air use and to prevent blinding or clogging of deck coverings.

VMSP — PEANUT MODEL WITH "AS" DESTONER: Adapted especially for the separation of splits, skins etc., from whole peanuts, with rubber covered wire decks, special air baffle, stabilizing bars front and rear and high point cut to a Model AS Destoner.

VMS — METALS RECLAMATION MODEL: A special machine which permits a fine separation of insulation and other waste substances from granulated copper and aluminum, etc. The features include a special electronic feeder, stainless steel on product contact parts and modified deck.

VMS — OPEN FRAME MODEL: The open frame modification is used only in dust free areas as incoming air cannot be filtered. This construction allows for under machine cleaning.

STANDARD DECK COVERS

➤ Three different cloth fabrics available

➤ Nine steel fabrics

➤ Two rubber-coated fabrics

➤ Six nylon fabrics

SPECIFICATIONS

MODEL	HEIGHT	WEIGHT	AREA	HORSEPOWER	CAPACITY
50 VMS	83 inches	1400 lbs (635 kg)	64 x 106 inches	Drive: 1 Fan Unit: 15 to 20	Up to 6000 lbs. per hr. (2721.6 kg)
40 VMS	74 inches	1100 lbs (499 kg)	52 x 92 inches	Drive: 1 Fan Unit: 5 to 10	Up to 4500 lbs. per hr. (2041.1 kg)

Capacities can vary greatly and are only a general guide. Forsbergs maintains a full-size testing lab that will test your product, free of charge, for capacity as well as separations.