



PORTABLE PUGMILL PLANTS

MATERIAL HANDLING SOLUTIONS



AGGREGATE AND
MINING GROUP

PUGMILL BLENDING SYSTEMS

KPI-JCI pugmill plants provide the portability required, featuring the aggressive mixing action of the KPI pugmill. The continuous mix pugmill includes two counter rotating shafts with paddles, along with timing gears that provide optimum speed to obtain the quality mix desired. Controlled blending and automatic proportioning ensures your end product is the consistency you require. Coupled with the optional feed systems, the KPI-JCI pugmill plant provides unparalleled ease of operation.

Easy Set-up | Heavy-Duty Construction | Excellent Flexibility



AVAILABLE MODELS:

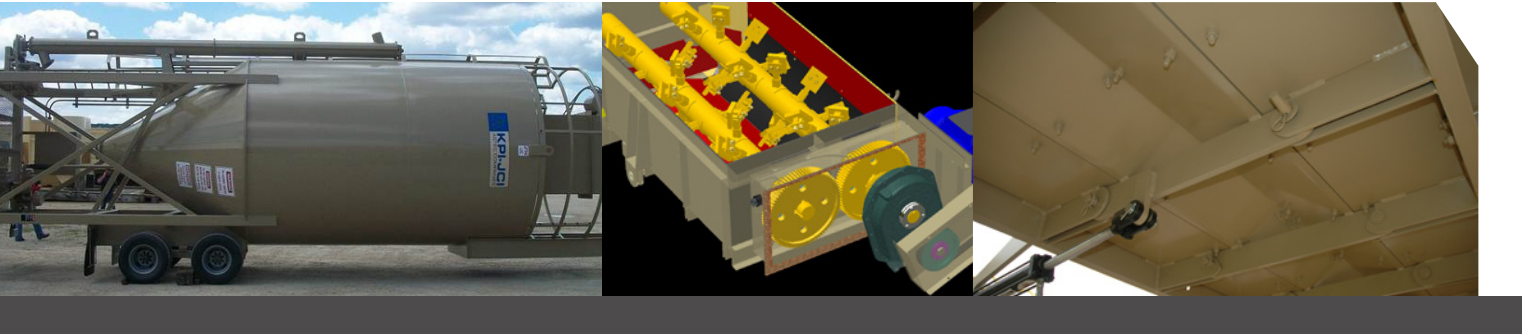
MODEL	Primary Hopper capacity	Primary Hopper top opening	Secondary Hopper capacity	Secondary Hopper top opening	Pugmill size / motor	Plant Capacity
52	9 cu. yards	12' x 6'	6.5 cu. yards	12' x 6'	4' x 6' / 60 HP	up to 300 TPH
52S	15 cu. yards	14' x 7'	8 cu. yards	14' x 7'	4' x 8' / 100 HP	up to 500 TPH

BENEFITS

Highly efficient and aggressive mixing for producing a homogeneous mixture.

Self-contained portable plants available for quick and efficient setup.

Can produce a variety of materials, including CTB, road base or cold-mix asphalt.



ADJUSTABLE DAM GATE

A dam gate is provided at the discharge end of the pugmill. In the fully raised position, the material bed depth in the pugmill chamber increases, ensuring enough material in the mixing zone.

TIMED GEARS/INTERLOCKING SPIRAL PADDLE ARRANGEMENT

Using timed gears with one motor to drive both shafts enables KPI to utilize an interlocking spiral paddle arrangement. The interlocking spiral paddle arrangement creates a much more aggressive mixing action than competitors who use two motors (one for each shaft).

DROP-OUT BOTTOM

A drop-out bottom opens the entire unit for simplified cleanout and service access.

APPLICATIONS

**Cement Treated
Base (CTB)**

**Roller Compacted
Concrete (RCC)**

Cold-mix Asphalt

Stabilization

Because we're dedicated to keeping you up and running, we've provided two resources for quality parts and service. Series 52 parts and service are available from your local KPI-JCI dealer and/or your local KPI-JCI representative.

**Call 605-665-8858 to find the dealer
or representative nearest you.**



MATERIAL HANDLING SOLUTIONS

The 52 Model Pugmill is a portable mixing plant utilized to blend liquid and/or dry additives to one or two feed materials. With blending automation, the KPI Portable Pugmill gives you the ease and flexibility you require.

BLENDING AUTOMATION

Automatic Proportioning Capabilities

Once your mix recipe is dialed in, the PLC automation system will maintain the correct proportion of the different ingredients as the operator increases or decreases the overall blending rate.

Accessible and Easy-to-Use Touch Screen Controls

Real-time monitors of on-plant motor loads, blending rate and feed rates of each material.

Store up to five different project specific mix recipes.

Report File Generation

Export report .CSV files via memory stick to be opened in Microsoft Excel.

Production and ingredient amounts by the job or day.

Time-stamped reports of batch size and ingredient amounts while in batch mode.

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DIESEL/GENSET

A 95kW diesel/genset is an option on the Model 52 Pugmill plants to provide self-contained power. The genset will power all on-plant functions, as well as an auxiliary silo.

WHAT IS A PUGMILL?

A pugmill is a twin shaft-mixing device. KPI's pugmill consists of timed, dual logs with paddle tips arranged in a 45-degree spiral around each log. The timing of the logs allows for the paddle tips to overlap, thus providing an aggressive action in the mixing chamber to obtain the homogeneous mix desired. Spiraling the paddles around the log keeps paddles in the material at all times, aiding in the mixing action.

The paddle tips are adjustable to accommodate varying sizes of feed material, adjusting between $\frac{3}{4}$ " to 2" of clearance between the paddle tip and chamber wall. Based on these clearances, the maximum particle size to the pugmill is 2". The paddle tips can be rotated 90 degrees to increase retention time in the mixing chamber. The cast ni-hard paddle tips are also reversible, resulting in lower wear costs.



High Productivity | Streamlined Design

COMPLETE SYSTEMS

KPI-JCI continues to lead the industry with tomorrow's technology ... designing and delivering the right equipment and systems today to meet the application and production needs of tomorrow. From concept to production, we offer you the most experienced team in the aggregate and recycle industry, ready to make your buying decision simple and easy.

With a worldwide product support group, our dealers offer you reliable "after-the-sale" support from parts to repair. And you can count on fast response by trained technicians, ensuring you maximum up-time for the highest performance and production.

REBUILD & REPAIR CENTER

The KPI-JCI Rebuild & Repair Center does more than just clean up used equipment and replace worn parts. Each project is completely disassembled, and each part is thoroughly inspected and assessed. Components that fail to measure up to our high standards are replaced or rebuilt.

Learn more about the Rebuild & Repair Center at www.kpijci.com.

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NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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