



# WASHING & CLASSIFYING

MATERIAL PROCESSING SOLUTIONS

**YOUR  
ONE  
SOURCE**



[www.kpijci.com](http://www.kpijci.com)

# WASHING AND CLASSIFYING



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# RECIPE FOR **SUCCESS**

## FULL LINE

KPI-JCI Washing and Classifying Systems provide a clear recipe for success. Solid construction, innovative design and efficient operation are the hallmarks of our entire product line. Dewater, clean and classify both coarse and fine material, choosing from a single piece to fit your plant, or an entire system to handle all your needs. From industry-standard products to custom-designed solutions, KPI-JCI has been engineering high-quality washing and classifying equipment since 1973. For a clear recipe to your success, choose KPI-JCI and really clean-up on your competition.



# WASHERS

## FINE MATERIAL

**FULLY PROTECTED FLIGHT**



**LARGE UNDISTURBED POOL AREA**



### CAPABILITIES

- ▶ **RELIABLE AND EFFICIENT DRIVE CONSTRUCTED OF COMMON, AVAILABLE PARTS**
- ▶ **ADJUSTABLE WEIRS CONTROL POOL DEPTH FOR UNIFORM FLOW**
- ▶ **CHOICE OF LINERS TO MATCH APPLICATION LOWERS WEAR COSTS**
- ▶ **ADDITIONAL OVERFLOW WEIRS ARE AVAILABLE TO FURTHER IMPROVE FINES RETENTION**

# MAXIMUM PRODUCTIVITY

## UP TO 950 TPH

**FEED BOX DESIGNS ENSURE OPTIMUM FEED**



**EASILY ACCESSIBLE LOWER BEARING**



Capable of producing up to 950 TPH, KPI-JCI Fine Material Washers deliver extreme productivity where you need it most. Engineered with high-efficiency drives, the resulting low-horsepower requirement reduces operating costs while increasing throughput. Choose single or twin spiral configurations from 24" to 72", with application-specific urethane or ni-hard outer wear shoes. A large-capacity pool and adjustable speed control (via sheave changes) ensures a steady and consistent flow of fine aggregate products. Rising current, liner choices and extra overflow weirs are a few of the additional options available to further increase production. Extreme productivity is a clear recipe for success. With KPI-JCI Fine Material Washers, you'll really clean-up on your competition.

Model	Spiral Diameter (in / mm)	Spiral Shaft Length (ft / m)	Capacity Up To (tph / mtph)
5024-25S	24 / 610	25 / 7.62	50 / 45
5030-25S	30 / 762	25 / 7.62	75 / 68
5036-25S	36 / 914	25 / 7.62	100 / 90
5036-25T	36 / 914	25 / 7.62	200 / 181
5044-32S	44 / 1118	32 / 9.75	175 / 159
5044-32T	44 / 1118	32 / 9.75	350 / 317
5048-32S	48 / 1219	32 / 9.75	200 / 181
5048-32T	48 / 1219	32 / 9.75	400 / 363
5054-34S	54 / 1372	34 / 10.36	250 / 227
5054-34T	54 / 1372	34 / 10.36	500 / 453
5060-35S	60 / 1524	35 / 10.67	325 / 295
5060-35T	60 / 1524	35 / 10.67	650 / 590
5066-35S	66 / 1676	35 / 10.67	400 / 363
5066-35T	66 / 1676	35 / 10.67	800 / 726
5072-38S	72 / 1829	38 / 11.58	475 / 431
5072-38T	72 / 1829	38 / 11.58	950 / 862

"S" indicates single spiral and "T" indicates twin spiral

# WASHERS

## COARSE MATERIAL

**RELIABLE UPPER-END DRIVE ASSEMBLY**



**BOLT-ON WEARS FOR QUICK CHANGES**



### CAPABILITIES

- ▶ **INTERCHANGEABLE BOLT-ON PADDLE AND FLIGHT ASSEMBLIES PROVIDE APPLICATION FLEXIBILITY**
- ▶ **NI-HARD WEAR SHOES OFFER MAXIMUM LIFE AND PROTECT THE FLIGHTS**
- ▶ **LONG NARROW TUB DESIGN ENABLES MAXIMUM MATERIAL AGITATION AND SUSPENSION**
- ▶ **HEAVY-DUTY, VIRTUALLY LEAK PROOF TANK PROVIDES YEARS OF SUPERIOR PERFORMANCE**

# MAXIMUM ADAPTABILITY

## UP TO 500 TPH

**FULL WIDTH  
OVERFLOW WEIR**



**FORGED STEEL  
BOLT-ON STUB SHAFT**



KPI-JCI Coarse Material Washers provide maximum adaptability to consistently meet your quickly changing needs. Both single and twin spiral designs, from 24" to 48", can be easily reconfigured with numerous bolt-on paddle and flight arrangements to satisfy even the most precise specifications. Also equipped with our low power consuming, high-efficiency drive, the 500 TPH throughput sets a high standard for coarse material productivity. Cast ni-hard bolt-on paddle assemblies deliver the ultimate in durability, as does the virtually leakproof, heavy-duty tank. Structural supports and a selection of liner options are available on every model. Maximum adaptability is a clear recipe for success. With KPI-JCI Coarse Material Washers, you'll really clean-up on your competition.

Model	Spiral Diameter (in/mm)	Spiral Shaft Length (ft/m)	Capacity Up To (tph/mtph)
<b>6024-1SS</b>	24/610	15/4.57	75/67
<b>6036-19S</b>	36/914	19/5.79	175/159
<b>6036-19T</b>	36/914	19/5.79	250/227
<b>6048-23S</b>	48/1219	23/7.01	350/317
<b>6048-23T</b>	48/1219	23/7.01	500/453

"S" indicates single spiral and "T" indicates twin spiral

# WASHERS

## BLADEMILL

**BOLT-ON ASSEMBLIES  
FOR QUICK CHANGES**



**FULLY PROTECTED  
FLIGHTS**



### CAPABILITIES

- ▶ **HIGHLY EFFECTIVE AT BREAKING UP TOUGH CLAY AND MUD FROM MATERIAL BEFORE SCREENING**
- ▶ **FLIGHTS ARE FULLY PROTECTED BY INNER AND OUTER WEAR SHOES**
- ▶ **PADDLE AND FLIGHT ASSEMBLIES ARE BOLT-ON TO ALLOW FOR MAXIMUM APPLICATION COMPATIBILITY**
- ▶ **DOUBLE PITCH FLIGHT AND TWO-PIECE PADDLE DESIGN EFFICIENTLY MOVES AND CLEANS MATERIAL**

# MAXIMUM COMPATIBILITY

## UP TO 500 TPH

**EFFICIENT  
RELIABLE DRIVE**



**CHROMED SLEEVE  
PROTECTS SHAFT**



To pre-condition aggregates prior to wet screening, KPI-JCI Blademills are designed for seamless compatibility with your existing processing plant. The innovative double-pitch flight and ribbed-paddle design efficiently conveys material through the mill to break up sticky clay and muddy clumps with extraordinary effectiveness. Almost all of the bolt-on ni-hard paddles and spiral flights are adjustable to best match your aggregate production needs. Available as single or twin spirals with diameters of 24" to 48", KPI-JCI Blademills deliver throughput up to 500 TPH. Choose from support and feed box options for even greater productivity. Seamless compatibility is a clear recipe for success. With KPI-JCI Blademills, you'll really clean-up on your competition.

Model	Spiral Diameter (in/mm)	Spiral Shaft Length (ft/m)	Capacity Up To (tph/mtph)
6524-1SS	24 / 610	15 / 4.57	75 / 67
6536-19S	36 / 914	19 / 5.79	175 / 159
6536-19T	36 / 914	19 / 5.79	250 / 227
6548-23S	48 / 1219	23 / 7.01	350 / 317
6548-23T	48 / 1219	23 / 7.01	500 / 453

\*"S" indicates single spiral and "T" indicates twin spiral

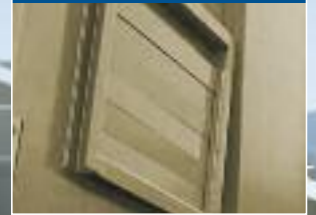
# WASHERS

## LOG

**UNIQUE SPIRAL DESIGN**



**ADJUSTABLE WEIRS**



### **CAPABILITIES**

- ▶ **EFFICIENT DRIVE SYSTEM DELIVERS MAXIMUM PRODUCTIVITY AND LOWERS OPERATING COSTS**
- ▶ **UNIQUE SPIRAL DESIGN PRODUCES MORE MATERIAL WITH LESS POWER REQUIRED**
- ▶ **RISING CURRENT MANIFOLD FLUSHES UNWANTED FINES AND DELETERIOUS MATERIAL**
- ▶ **LARGE CLEAN OUT PORTS OFFER EASY ACCESS TO THE TANK**

# MAXIMUM EFFICIENCY

## UP TO 225 TPH

**HIGHLY EFFICIENT DRIVE**



**STIFFENERS STRENGTHEN TANK**



Even the most agglomerated deposits are no match for the efficiency of KPI-JCI Log Washers. Our exclusive, reverse involution design has paddles arranged in a spiral pattern along the shaft, producing a much more effective scrubbing action to remove tough, plastic-soluble clays and other unwanted coatings. This unique motion ensures some portion of material is constantly moving, leveling power demand while reducing power consumption. The lower intermittent shock loading generates less wear and longer service life for bearings, shafts and tank. Available in sizes from 24" to 48", the twin spiral log washers can produce up to 225 TPH of clean, aggregate. Increased efficiency is a clear recipe for success. With KPI-JCI Log Washers, you'll really clean-up on your competition.

Model	Spiral Diameter (in/mm)	Spiral Shaft Length (ft/m)	Capacity Up To (tph/mtph)
8024-18	24 / 610	18 / 5.49	60 / 54
8036-30	36 / 914	30 / 9.14	125 / 113
8048-30	48 / 1219	30 / 9.14	225 / 204
8048-30	48 / 1219	35 / 10.69	225 / 204

All log washers have twin spiral shafts

# CLASSIFIED

## TANKS AND CONTROLLERS

**WINDOWS - BASED  
CONTROLLER**



**PATENTED STRUCTURE  
FREE TANK**



### **CAPABILITIES**

- ▶ **EASY TO USE, TOUCH SCREEN CONTROLLER RUNS ON MICROSOFT WINDOWS**
- ▶ **LACK OF INTERNAL STRUCTURES ENABLES MORE EFFICIENT SETTLING OF MATERIAL**
- ▶ **INTERNAL DIAGNOSTIC SYSTEM ENSURES SMOOTH, TROUBLE-FREE OPERATION**
- ▶ **INTEGRAL CURVED LINER IN FEED BOX IMPROVES SLURRY FLOW CONTROL**

# ING

## MAXIMUM PROFITABILITY

# 8'x 32' TO 12'x 48'

**INDUSTRY LEADING  
TANK CONTROLS**



**FEED BOX WITH  
CURVED LINER**



Few other solutions even come close to the maximum profitability of KPI-JCI Classifying Tanks. The process begins with our Spec Select™ Windows-Based interface and 71 Series 24-volt DC bridge design to allow easy control of blending, monitoring and reporting right from your PC. Upgrade to our Spec Select™ Windows-Based System Monitor Controller and 72 Series bridge to get profibus communication with advanced diagnostic components. Our innovative design also extends to the elimination of support members from inside the tank, creating less turbulence and a more accurate settling of materials. Available in sizes up to 12' x 48', the capabilities of these systems are like nothing else around. Maximum profitability is a clear recipe for success. With KPI-JCI Classifying Tanks, you'll really clean-up on your competition.

Model	Width (ft/m)	Length (ft/m)	Number of Stations
7108-32	8/2438	32/9.75	9
7208-32	8/2438	32/9.75	9
7110-32	10/3.05	32/9.75	9
7210-32	10/3.05	32/9.75	9
7110-36	10/3.05	36/10.97	10
7210-36	10/3.05	36/10.97	10
7110-40	10/3.05	40/12.19	11
7210-40	10/3.05	40/12.19	11
7112-48	12/3.66	48/14.63	11
7212-48	12/3.65	48/14.63	11

# PLANTS

## PORTABLE

**1800 SERIES**



**1800PHB SERIES**



### **CAPABILITIES**

- ▶ **HIGHLY PORTABLE WITH FEATURES FOR QUICK SET-UP**
- ▶ **MODEL 1830 IS THE INDUSTRY'S LARGEST PORTABLE WASHING & SCREENING PLANT**
- ▶ **OFFERS STANDARD QUICK SET-UP FEATURES NOT FOUND ON OTHER BRANDS**
- ▶ **MULTIPLE CONFIGURATION OPTIONS ENSURE PROPER APPLICATION FIT**

# MAXIMUM PORTABILITY

## UP TO 500 TPH

**SKID MOUNT 1800 SERIES**



**CLASSIFYING TANK WITH FINE WASHER**



Take all the power of KPI-JCI on the road with our completely portable 1800 Series Washing and Screening Plants and Portable Classifying Plants. Efficiently process aggregate material wherever opportunities exist. The 1800 Series Plants offer a fine material washer with an array of configurations—choose inclined or horizontal, wet or dry single, double or triple-shaft screens, with two or three decks and even add a blademill. Likewise, KPI-JCI Portable Classifying Tanks mounted above a fine material washer offer incomparable performance and portability. Both styles are available on wheel or skid-mounted chassis, an equally broad range of performance-enhancing options can also be included from hydraulic and electrical control to a feed box, lights, tires, landing gear or walkways. Easy portability is a clear recipe for success. With KPI-JCI Portable Washing and Screening Plants, you'll really clean-up on your competition.

Model	Fine Material Washer	Blademill	Screen Size	No. of Screen Decks	Capacity Up To
	(in/mm)	(in/mm)	(ft/m)		(tph/mtph)
<b>1814S</b>	36/914	none	6/1828 x 16/4.88	3	250/227
<b>1822T</b>	36/914	none	6/1828 x 16/4.88	3	350/317
<b>1822PHBT</b>	36/914	24/610	6/1828 x 16/4.88	3	350/317
<b>1830T</b>	44/1118	none	6/1828 x 20/6.10	3	500/453
<b>1830PHBT</b>	44/1118	36/914	6/1828 x 20/6.10	3	500/453

1814 plants feature incline screens only and PHBT plants feature horizontal screens only  
 "S" Indicates single and "T" Indicates twin

# SYSTEMS

## STATIONARY



### CAPABILITIES

- ▶ **CUSTOM SYSTEMS MEET YOUR EXACT SPECIFICATION NEEDS**
- ▶ **ALL NECESSARY COMPONENTS AND RESOURCES PROVIDED BY YOUR ONE SOURCE SUPPLIER**
- ▶ **FIELD-PROVEN PRODUCTS ENSURE MAXIMUM PRODUCTIVITY AND LONG SERVICE LIFE**
- ▶ **ALL COMPONENTS BACKED BY AN INDUSTRY LEADING WARRANTY PROGRAM**

# RECIPE FOR **SUCCESS**

## YOUR ONE SOURCE

For a total material processing solution, KPI-JCI is Your One Source for the most reliable and highest performing stationary washing and classifying plants in the industry. Incorporate the best of all our products into a single, custom-engineered system created to your exacting specifications. Everything from plant design to component manufacturing, site layout, installation and lifetime product support is delivered by KPI-JCI, resulting in flawless execution and complete confidence in the performance of your business. Don't just hope everything works the way you want, turn to Your One Source and rest assured it will. Customer partnerships strengthened by a vast dealer network are our clear recipe for success. With custom-designed KPI-JCI Stationary Washing and Classifying Plants, you'll really clean-up on your competition.



# SUPPORT

## MORE UPTIME



### CAPABILITIES

- ▶ **LOCAL SERVICE SUPPORT 24/7**
- ▶ **LOCAL APPLICATION SUPPORT 24/7**
- ▶ **LOCAL OFF-THE-SHELF PARTS SUPPORT 24/7**
- ▶ **LOCAL EQUIPMENT INVENTORIES FOR RENT AND PURCHASE**

LOCAL, AVAILABLE AND **KNOWLEDGEABLE**

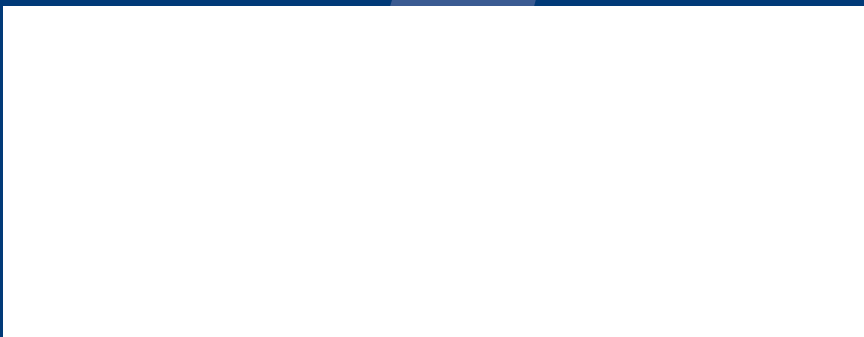
# RECIPE FOR SUCCESS

KPI-JCI Washing and Classifying Equipment is supported by your local KPI-JCI Washing and Classifying Dealer. Equipped with factory-trained technicians, aggregate specialists and off-the-shelf parts support, your local dealer is prepared to help you clean up on your competition. Increased uptime and decreased costs are a clear recipe for success. Contact your local KPI-JCI dealer today or visit [www.kpijci.com](http://www.kpijci.com) to find the dealer nearest you! Rock On with rock-solid flexibility.

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NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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