



# SCREENING

MATERIAL SEPARATION  
SOLUTIONS

**YOUR  
ONE  
SOURCE**



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

# SCREENS

## COMPETITIVE SEPARATION

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# FINE SCREENING TO HD SCALPING

## FULL LINE

KPI-JCI will have you separated from the rest with our full line of incline, horizontal and multi-angle screens. Our signature high-quality construction and innovative performance is engineered into every one of our wide selection of material separation solutions. Choosing the proper screen to fit your plant shouldn't require compromises, that's why we offer the perfect design and configuration to meet your specific demands. Single, double and triple-shaft designs, with rubber, coil and c-spring mechanisms, multiple decks, wet or dry, portable or stationary—the possibilities are almost limitless. From heavy-duty scalping to light-sand finishing, we're with you every step of the way. Don't just work to keep up, stay separated from the rest with KPI-JCI material separation solutions.

# SCREENS

## HORIZONTAL

LINED SIDEPLATES

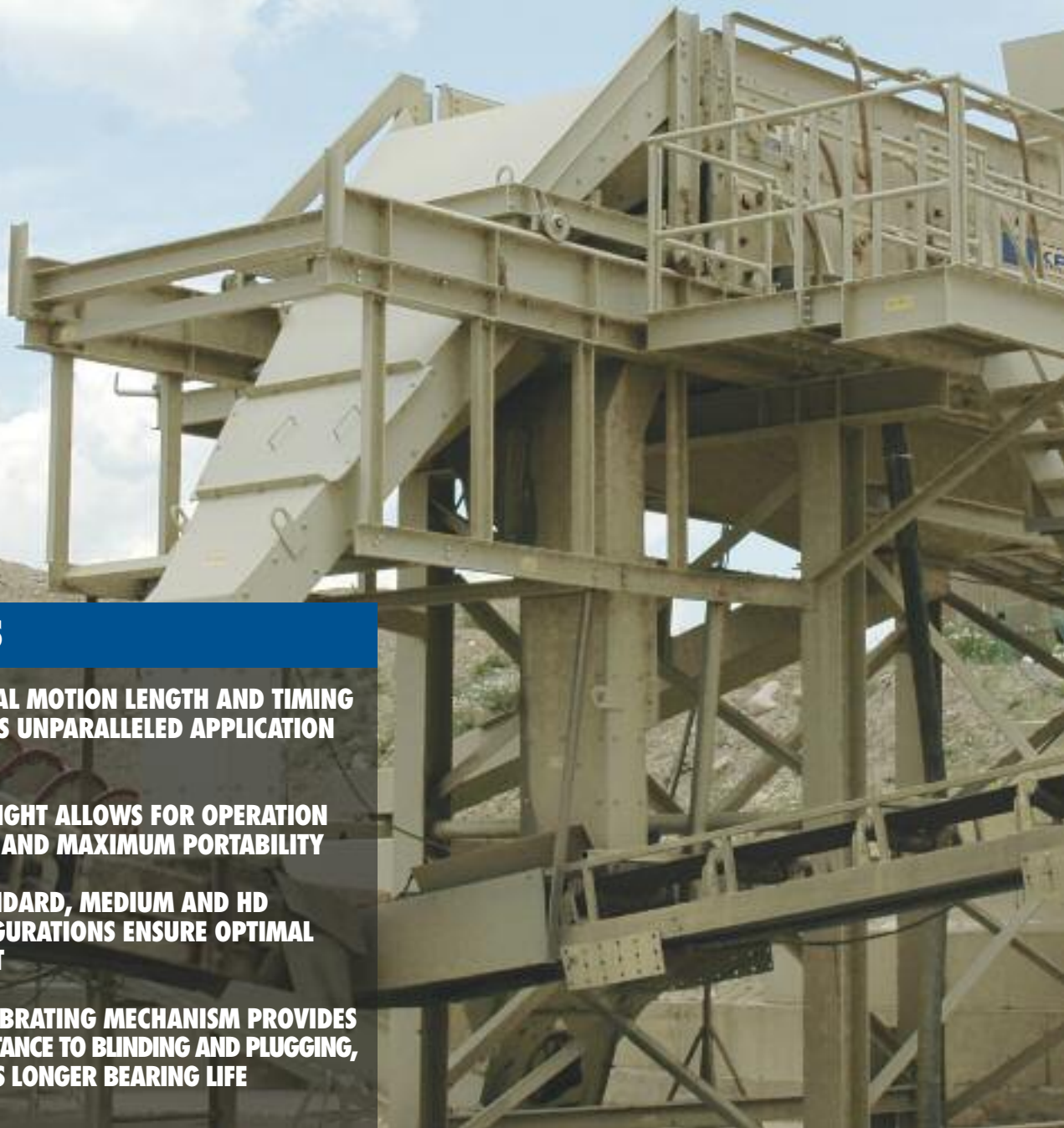


HD FEEDBOX



### CAPABILITIES

- ▶ **ADJUSTABLE OVAL MOTION LENGTH AND TIMING ANGLE PROVIDES UNPARALLELED APPLICATION FLEXIBILITY**
- ▶ **LOW SCREEN HEIGHT ALLOWS FOR OPERATION IN TIGHT AREAS AND MAXIMUM PORTABILITY**
- ▶ **FINISHING, STANDARD, MEDIUM AND HD SCALPER CONFIGURATIONS ENSURE OPTIMAL APPLICATION FIT**
- ▶ **TRIPLE SHAFT VIBRATING MECHANISM PROVIDES MAXIMUM RESISTANCE TO BLINDING AND PLUGGING, AND IT PROVIDES LONGER BEARING LIFE**



# SIZES UP TO 8' X 20'

**WET OR DRY CONFIGURATION**



**LEAK-FREE "TITAN" SEAL**



## MAXIMUM EFFICIENCY

KPI-JCI Horizontal Screens deliver high productivity in a low-profile package. Our triple-shaft design employs an oval motion stroke pattern that generates a more aggressive screening action to reduce plugging and blinding while providing extended bearing life. The combination of a consistent travel speed coupled with an adjustable stroke pattern results in unparalleled versatility from heavy scalping to finishing applications. Our huck-bolt construction coupled with a triple-shaft design that spreads the shafts out over a wider area greatly reduces basket stress for maximum service longevity. An internal oil bath lubrication system and patent pending Titan Oil Seal provides a low-maintenance, leak-free operation. With sizes ranging from 5' x 16' to 8' x 20', and three deck configurations for both wet or dry operation, KPI-JCI Horizontal Screens have every corner covered. Don't just work to keep up, stay separated from the rest with the maximum efficiency of KPI-JCI Horizontal Screens.

	Fine Screening	Standard Screening	Light Scalping	Medium Scalping	Heavy Scalping	Speed RPM	Maximum Stroke (in/mm)	Slope (degrees)
"FS" Flat Finishing Screen	x	x				875-1075	1/2 / 12.7	0
"LP" Flat Standard Screen	x	x	x			675-875	3/4 / 19.0	0
"MS" Flat Medium Scalper		x	x	x		675-875	3/4 / 19.0	2 on Top 0 on Bottom
"HS" Flat Heavy Scalper		x	x	x	x	575-775	7/8 / 22.23	2 on Top 0 on Bottom

# SCREENS

## INCLINE

**SINGLE SHAFT**



**LIGHT DUTY**



### **CAPABILITIES**

- ▶ **10 DEGREE LOW-PROFILE INCLINED SCREENS WITH GREASE LUBRICATION ARE IDEAL FOR PORTABLE INSTALLATIONS OR THOSE WITH LIMITED HEADROOM**
- ▶ **15 DEGREE LIGHT DUTY INCLINED SCREENS ARE A LOW-COST DESIGN WITH A C-SPRING SUSPENSION THAT EXCELS IN SAND & GRAVEL APPLICATIONS**
- ▶ **15-25 DEGREE ADJUSTABLE INCLINE SCREENS OFFERED WITH OIL BATH LUBRICATION IN SINGLE AND DUAL SHAFT CONFIGURATIONS FOR QUARRY DUTY APPLICATIONS**
- ▶ **22 DEGREE INCLINE SCREENS OFFERED WITH SIMPLE GREASE LUBRICATION IN SINGLE SHAFT CONFIGURATIONS ARE PERFECT FOR ECONOMY INSTALLATIONS.**

# SIZES UP TO 8' X 20'

**DUAL SHAFT**



**HIGH ANGLE**



## MAXIMUM PRODUCTIVITY

For screening operations that favor a circular stroke pattern, KPI-JCI Incline Screens pack reliable and consistent screening performance into a wide selection of alternative designs. Our light duty C-spring screens are perfect for economy-minded sand and gravel applications, 22 degree inclined screens are designed to provide high performance reliability, and 15-25 degree adjustable angle screens are offered in both single and dual shaft configurations for increased versatility. We even offer low-profile screens for producers favoring a circular stroke pattern with limited headroom. Choose from multiple deck configurations, wet or dry action in portable or stationary set-up, and you'll get the most accurate screening performance available. Don't just work to keep up, stay separated from the rest with the high-productivity performance of KPI-JCI Incline Screens.

	Fine Screening	Standard Screening	Light Scalping	Speed RPM	Maximum Stroke (in/mm)	Slope (degrees)
<b>Light Duty</b>	x	x		1100-1500	1/4 / 6.35	10-15
<b>High Angle</b>	x	x		950-1050	3/16 / 4.76	18-22
<b>Low Profile</b>	x	x	x	850-950	3/8 / 9.53	10
<b>"S" inclined (single shaft)</b>	x	x	x	800-1150	3/8 / 9.53	15-25
<b>"D" inclined (dual shaft)</b>	x	x	x	750-1200	1/2 / 12.7	15-25

# SCREENS

## COMBO®

**MULTIPLE ANGLE DECKS**



**REAR ACCESS VIA HINGED TAILGATE**



### **CAPABILITIES**

- ▶ **SLOPED FEED ZONE ACCELERATES MATERIAL TO PROVIDE A THINNER BED DEPTH FOR QUICKER FINES SEPARATION**
- ▶ **FINES ARE INTRODUCED TO LOWER DECKS FASTER THAN CONVENTIONAL SCREENS FOR INCREASED UTILIZATION**
- ▶ **HORIZONTAL DISCHARGE ZONES DECELERATE MATERIAL FOR INCREASED PROBABILITY OF SEPARATION OF NEAR-SIZE**
- ▶ **TRIPLE SHAFT OVAL MOTION MECHANISM PROVIDES UNPARALLELED APPLICATION FLEXIBILITY AND MAXIMUM RESISTANCE TO BLINDING AND PLUGGING.**



# SIZES UP TO 8' X 20'

**LEAK-FREE "TITAN" SEAL**



**PUNCH PLATE FEED BOX DESIGN**



## MAXIMUM FLEXIBILITY

After an extensive evaluation of traditional Flat and Horizontal Screens, KPI-JCI developed the Combo<sup>®</sup> Screen, a new breed of screen that delivers unsurpassed capacity and efficiency. A higher material travel speed in the feed zone reduces bed depth for faster stratification of fines, allowing finer material to be introduced to the center and bottom decks quicker. Material speed is decelerated to provide a higher probability of separation as the deck flattens to a horizontal plane at the discharge zone. Employing the same triple shaft vibrating mechanism used on KPI-JCI Horizontal Screens, the oval motion stroke pattern reduces plugging and blinding while providing extended bearing life. Utilizing KPI-JCI's renowned huck-bolt construction, internal oil bath lubrication, and patent-pending Titan Oil Seal, the Combo Screen is truly a unique innovation proven to deliver unsurpassed productivity, efficiency, and flexibility in wet or dry applications. Don't just work to keep up, stay separated from the rest with the ultimate flexibility of KPI-JCI Combo Screens.

	Fine Screening	Standard Screening	Light Scalping	Medium Scalping	Speed RPM	Maximum Stroke (in/mm)	Slope (degrees)
<b>"CS" Combo Screen</b>	x	x	x	x	675-875	3/4 / 19.0	multiple

# SCREENS

## HD SCALPER

**MESABI® 4-BEARING  
DESIGN**



**MESABI® ISO-VIBE™  
MOUNTING**



### CAPABILITIES

- ▶ **EXCEL IN EXTREME AND ABRASIVE CONDITIONS WITH UNPARALLELED RUGGEDNESS AND RESISTANCE TO WEAR**
- ▶ **MESABI® HD-4 BEARING DESIGN CREATES AN ECCENTRIC TYPE, POSITIVE THROW ACTION HIGHLY EFFECTIVE IN HANDLING HEAVY LOADS AT MAXIMUM CAPACITY**
- ▶ **QUARRY SCALPER TWIN SHAFT MECHANISM EXTENDS BEARING LIFE WHILE MAINTAINING A POSITIVE ECCENTRIC STROKE PATTERN UNDER EXTREME SHOCK LOADS**

# SIZES UP TO 6' X 16'

**HUCK-BOLTED CONSTRUCTION**



**QUARRY SCALPER RUGGED DESIGN**



# MAXIMUM PROFITABILITY

Applications that really dish out punishment need the massive durability of KPI-JCI Scalper Screens. Built to scalp the toughest, most abrasive materials, they're perfectly suited for duty before a primary crusher or in the production of rip rap. The heavy four-bearing Mesabi® design creates an eccentric, positive flow action highly effective on heavy loads at maximum capacity, while our Iso-vibe screen mounting system keeps the vibration in the screen—not on your plant. With sizes from 4'x8' to 6'x20' in one or two-deck heavy standard or heavy duty configurations, Mesabi® screens deliver unparalleled ruggedness. Only available as a single deck, twin-shaft Quarry Scalpers provide highly aggressive eccentric positive throws for reliable and interrupted scalping conditions, while resisting wear and impact everywhere. Designed solely to excel in the most extreme scalping conditions, Quarry Scalper step deck grizzly bars tumble slabs to assist in separating fines from the roughest materials. Don't just work to keep up, stay separated from the rest with the stubborn durability of KPI-JCI Heavy-Duty Scalper Screens.

	Light Scalping	Medium Scalping	Heavy Scalping	Speed RPM	Maximum Stroke (in/mm)	Slope (degrees)
<b>Mesabi Standard Duty</b>	x	x	x	950-1000	3/8 / 9.53	10-12
<b>Mesabi Heavy Duty</b>	x	x	x	900	3/8 / 9.53	10-15
<b>Quarry Scalper</b>		x	x	800	7/16 / 11.12	12



# PLANTS

## COMPETITIVE SEPARATION

### CAPABILITIES

- ▶ **MULTIPLE PORTABLE AND STATIONARY CONFIGURATIONS**
- ▶ **PLANTS ARE DESIGNED TO MEET YOUR EXACT SPECIFICATION NEEDS**
- ▶ **QUALITY IS GUARANTEED WITH AN INDUSTRY LEADING WARRANTY PROGRAM FROM KPI-JCI**
- ▶ **ALL NECESSARY COMPONENTS AND RESOURCES ARE PROVIDED THROUGH YOUR ONE SOURCE**

# PORTABLE & STATIONARY **OPTIONS**

## **SIMPLE SOLUTIONS**

Why settle for partial perfection when KPI-JCI has your total screening plant solution? For both wet and dry operations, our systems deliver peak performance in any aggregate application. Get extreme portability from a track or wheel-mounted chassis, or fit our screens into any new or existing stationary system. With plants designed to meet your exacting specifications, and all necessary components and resources provided through Your One Source Dealer, KPI-JCI gives you the confidence of knowing your investment is well-placed. We even guarantee the quality with our industry-leading warranty program. Don't just work to keep up, stay separated from the rest with the value and integrity of a KPI-JCI total screening plant solution.

# KPI-JCI

## YOUR ONE SOURCE

### 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**

MEETING YOUR **EVERY NEED**

# PROFITABILITY

KPI-JCI continues to lead the industry with tomorrow's technology...delivering the right equipment and systems today to meet your application and production needs of tomorrow.

From concept to production, we offer you the most experienced team in the industry, ready to make your buying decision simple and easy.

With a worldwide product support group, Your One Source dealer offers you "after-the-sale" support that's available and dependable. From parts to repair, you can count on fast response by trained technicians. From innovative products to world-class support, KPI-JCI and its distributors offer you simple and profitable solutions that meet all your objectives...PROFITABLY!

# YOUR ONE SOURCE



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NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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