



TRIO Horizontal Screens

Highly Effective Screening Solutions



DIAMOND
diamondequip.com

Building Solutions Together
www.trioproducts.com

TRIO offers World Class Design, Engineering and Manufacturing to provide high value solutions for your crushing, screening and material handling requirements.

The core goal of TRIO Engineered Products, Inc. is to pursue product improvement, product quality, and provide our customers with the most cost-effective equipment solutions.

TRIO - Building Solutions Together



TRIO continues to expand as a world-class designer & manufacturer of crushers, screens, washers, and conveyors for the aggregate, mining, recycling, and industrial minerals industries.

TRIO strives to provide the most rugged, robust, and reliable equipment for the most demanding applications. TRIO provides customized high value solutions according to our customers' needs, from single machines to stationary or portable plants, including turnkey projects.

TRIO: Creates Value for You

TRIO Horizontal Screens are a combination of quality, reliability, and performance; providing an extra long service life while operating in the most demanding applications and extreme climate conditions.

TRIO TTH Series Screens provide outstanding performance for all screening applications and can be widely applied in mining, concrete and asphalt recycling, and aggregate industry settings.



Features:

- All Huck-bolt construction
- Accommodates all screen media types
- Ideal for wet or dry applications
- Easy stroke (amplitude) & speed adjustment
- Tripe shaft high “G” force vibrator assembly
- Spherical roller bearings in oil bath lubrication



TTH Series: Horizontal Screens

TRIO manufactures a vast array of triple shaft screens in a wide combination of horizontal styles and some special application highbred screens. TTH series screens are available in standard 2, 3 and 4 deck configurations and in sizes from 4' x 14' to 8' x 20'.



The applications for Horizontal screens include: when a slower material travel rate is required such as when fine sized screening with a large percentage of near size product, or when low head room is critical, and also fine screening of dry products or wet washing.

TRIO screen side plates are hot rolled steel with stiffener plates around the vibrating mechanism and plasma cut with CNC punched holes. TRIO uses all Huck-bolt construction to insure rigidity and structural integrity and eliminate stress fatigue in the screen body, providing a long productive service life.



TTH Series Screens generate power via three timed shafts with eccentric counterweights. The combination of the three shafts provide an oval stroke with adjustable amplitude, speed and operating angle, determined by application.

The vibrating unit utilizes a computer designed chrome-moly-nickel gear set with premium metallurgy, optimized tooth geometry running in an oil bath lubrication arrangement.

Features & Options



Standard Cambered deck frames. are strengthened with herringbone bracing on each end.



Screen decks can accommodate all media types, wire cloth, urethane, and rubber. Flat decks are available.



Trio has built numerous special applications TTH screens; including scalping decks, inclined and multi-sloped units.



Wash kits available with manifold, shut-off valves, flexible hoses, spray bars and nozzles.



TRIO can provide extra deck clearance and 4 deck screens in some models.



Fabric and metal dust enclosures can be supplied in numerous styles

Specifications for TRIO Horizontal TTH Series Screens												
Model	DECKS	Size		Weight		Max Power		Max Material		Max Speed	Max Amplitude	
		FT x FT	MM x MM	LB	KG	HP	Kw	IN	MM	RPM	IN	MM
TTH4142	2	4' x 14'	1270 x 4260									
TTH5162	2	5' x 16'	1525 x 4878	14194	6452	30	22	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH5163	3	5' x 16'	1525 x 4878	17369	7895	30	22	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH6162	2	6' x 16'	1830 x 4878	14619	6645	30	22	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH6163	3	6' x 16'	1830 x 4878	18916	8598	40	30	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH6202	2	6' x 20'	1830 x 6096	18027	8194	40	30	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH6203	3	6' x 20'	1830 x 6096	21943	9974	40	30	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH6204	4	6' x 20'	1830 x 6096	28446	12930	50	37	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH7202	2	7' X 20'	2134 x 6096	22840	10382	50	37	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH7203	3	7' X 20'	2134 x 6096	27124	12329	50	37	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH8202	2	8' X 20'	2439 x 6096	24666	11212	50	37	10"	250	675 - 850	3/8" - 3/4"	10 - 19
TTH8203	3	8' X 20'	2439 x 6096	29581	13446	50	37	10"	250	675 - 850	3/8" - 3/4"	10 - 19

Results may vary depending on feed material gradation, density, moisture content, media selection and application.

Portable Plants

TRIO builds portable plant systems for feeders, crushers, screens, and washers, incorporating single machines or integrated into a complete plant solution. TRIO manufactures both track mounted and wheel mounted portable plants. Portable plants can be highly customized into cost-effective solutions for the complex applications.



TRIO's portable plants boost efficiency; maximizes set-up flexibility and provide better access to material resources.

These plants can be delivered completely assembled and are also available in kit form for shipments to remote locations.

Modular Plants

Over the years TRIO has designed and built an extensive array of modular structures for all of the crushing and screening equipment we manufacture. Trio is the market leader in modular plant designs, offering a larger array of products than any other OEM. These Modular products are used in the harshest environments and most demanding aggregate/mining applications in the world.



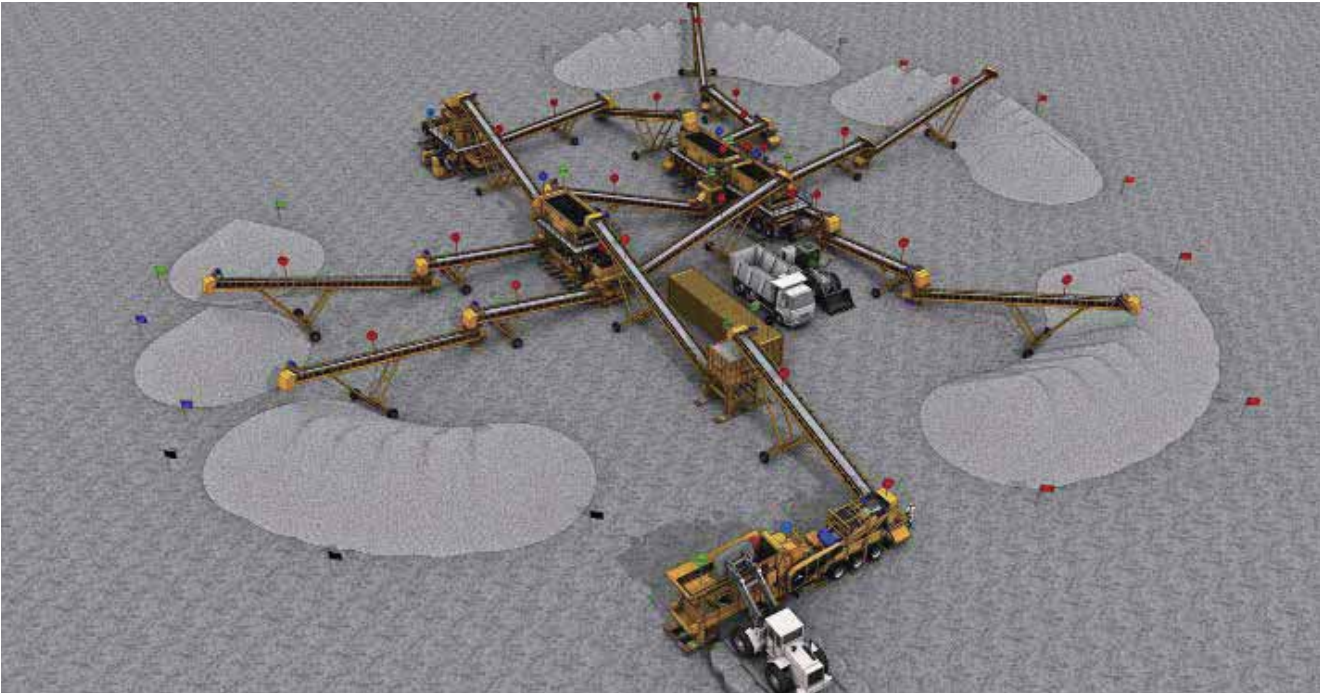
TRIO modular structures incorporate heavy duty structural steel weldments using bolted connections. Safe and accessible work areas are built with grating stairways and work platforms equipped with hand, knee and toe rails providing labor saving installation.

TRIO modular plants are re-locatable assets that represent the most economical way to build a stationary plant or to add onto an existing facility.

COMPREHENSIVE SOLUTIONS

TRIO can provide not only key single machines, but also complete crushing, screening, washing, and material conveying solutions. We take your investment scale, working environment, capacity and product gradation requirements into consideration to provide a customized solution. Our optimized solutions include machine model selection, operating simulation, and on-site layout.

TRIO's outstanding design, engineering and manufacturing capabilities; together with complete after-sales service will ensure the successful implementation of your project; creating value to help you achieve your profit objectives.



GLOBAL SERVICE & SUPPORT

From Europe to mid-Asia, Africa to America, China to Australia, in every corner of the world, no matter what you order (a complete system, single machine, or a spare part) TRIO will provide you with professional service and support.

Combined with, off-the-shelf availability, Global distribution for rapid delivery and Superior quality, TRIO replacement parts, and skilled service support personnel make TRIO a valued partner in the global mining and aggregate industries

All TRIO products will be assembled and test run in our factory to ensure a fast and efficient installation, creating extra value for you. We also provide professional training for maintenance and operations personnel to insure smooth and efficient plant operations along with safe and easy maintenance.





CRUSHERS

CT Series Jaw Crusher
TC Series Cone Crusher
APS& APP Series Impact
Crusher
TV Series VSI Crusher

SCREENS

TIH, TIO&TIOSP Series
Inclined Screen
TTH Series Horizontal
Screen
TBSS& TBSD Series Banana
Screen

PORTABLE PLANTS

Track mounted portable
plants
Wheel mounted portable
plants

PLANT SOLUTIONS

'Turn-key' projects

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