

STANWORLD

Profile

PT. RANTEINDO TEKNIK MANDIRI, founded in 2010 in Surabaya, Indonesia, has developed from distributor of quality power transmission product to one of the national's manufacturers of conveyor chains, drive chains, and sprockets.

Ranteindo Teknik Mandiri's quality products that's known as **STANWORLD** Conveyor Chain are used all over the world in various industries.

Some of the most important industries are:

- | | | |
|----------------------|-----------------------|-----------------------------------|
| » Cement industry | » Sugar industry | » Bulk material handling industry |
| » Escalator industry | » Automotive industry | » Steel industry |
| » Wood industry | » Paper industry | » Food products industry |
| » Packaging industry | | |

Product

We are partners of industry.

As constructors and producers of special chains and sprocket wheels, **STANWORLD** solves specific customer problems in conveyor and drive technology.

Since each customer's demands differ from others, **STANWORLD** specialises in providing mainly individualized product solutions for most industries. Our engineers and technicians develop special chain systems that are geared to specific applications.

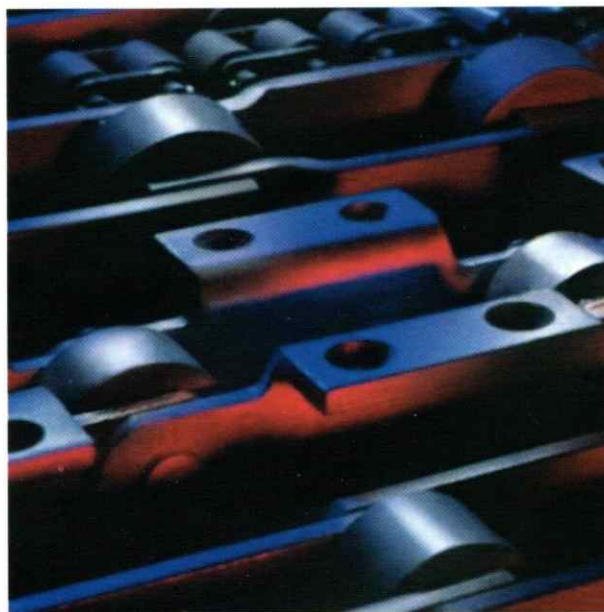
STANWORLD Conveyor Chains

STANWORLD is manufacturer of high-quality conveyor and transport chains. Our products are used across a wide range of applications in various industries.

STANWORLD develops and produces special conveyor and transport chains in all designs and dimensions. Moreover, we manufacture standardized chains to British, DIN, ANSI, ISO norms. and works standard chain.

Our standard delivery program includes:

- » **STANWORLD** standard conveyor chain metric series
- » **STANWORLD** standard conveyor chain inch series
- » Conveyor chains according to DIN Standard
- » Conveyor chains according to British Standard
- » Conveyor chain according to ANSI Standard
- » Welded steel chain
- » Block link chains



STANWORLD Power Transmission chains

STANWORLD has the optimal product for your needs, irrespective if this is a transmission/drive chain to use in industrial manufacturing machinery or an agricultural vehicle.

Whether you need a chain that will hold up under intensive continual use or one that will be resistant to temperature fluctuations and corrosion – **STANWORLD** has the answer. We have a wide range of drive chains in all DIN/ISO/ANSI dimensions complying with all international norms for various uses.

High-performance roller chains for drives and conveyors are part of our standard program.

STANWORLD Sprockets

Sprockets are a decisive factor for the performance and service life of any chain system. **STANWORLD** therefore manufactures its own sprockets in order to ensure the high quality of all products.

We supply suitable sprockets for all chains. In addition to sprockets with DIN/ISO/ANSI gearing, we manufacture sprockets with optimized tooth profiles on CNC machines. Production using high-quality materials, tempered and with induction hardened teeth is our strong point. Our product range includes all types of sprockets with one-sided and two-sided hubs, divided wheels, wheels with detachable segments, shearing pin sprockets, drive pin wheels, noise-reduction systems for wheels and we also supply complete shafts.



Special chains and components

As comprehensive supplier, we offer our customers the opportunity to purchase complete units within the product group of chains and sprockets. This has two essential advantages for our customers:

- quality assurance of the entire unit
- cost reduction through lower number of suppliers

For example the following products are among our special chains and components:

- Double strand chains with flanged rollers or mounted top plates
- Double strand chains with slats mounted between the chain strands
- Heavy-duty style chains with welded carrier construction
- Completely assembled drive shafts

Services

What we can do for you

Competence, experience, efficiency and commitment are the basis of our work. We ensure your long-term and sustained success using our products. That is why we offer our service program from the very beginning. We are your reliable partner in conveyor and drive technology. Both our consultation services and the quality of our products are individually suited to your needs and wishes.

Development, production, assembly, after sales **STANWORLD** has created a whole system of highly specialised competencies in the service of your projects. We have efficiently networked all the individual services with one another in order to help you achieve optimal results for your projects:

Development : We design optimal solutions for conveyor and drive technology according to your business needs.

Production : Using state-of-the-art technology, we produce conveyor chains, drive chains and sprocket wheels.

Installation : No one knows our products like we do. If needed, we work with reliable partners to complete the on-site installation.

After sales : If requested, we can test and evaluate the condition of your chains as to functionality and anticipated future service life.

Area of operations

Our conveyor chains, power transmission chains, and sprocket wheels are used all over the world. Innovative developments, carefully selected materials, and precise production give us the edge over the competition. World-renowned companies in many sectors rely on **STANWORLD**'s products and services.



CEMENT INDUSTRY



- Bucket elevator chain
- Reclaimer conveyor chain



- Apron feeder chain
- Reclaimer conveyor chain

ASPHALT & PAVING INDUSTRY



- Asphalt industrial chain
- Trencher chain
- Paver chain



SUGAR INDUSTRY



- Bagasse carrier chain
- Diffuser chain



- Main cane carrier chain
- Cane feeder chain

BOTTLING INDUSTRY



- Bottle washer chain
- Pasteurizer chain





PALM OIL INDUSTRY



⇒ Hollow pin chain



⇒ Attachment chain

WOOD & PAPER INDUSTRY



⇒ Welded steel chain
⇒ Digester chain



⇒ Welded drag chain
⇒ Gull wing conveyor chain



GENERAL APPLICATION



- ⇒ Agricultural machine
- ⇒ Automotive industry
- ⇒ Cigarette/tobacco machinery
- ⇒ Grain conveyor
- ⇒ Food processing
- ⇒ Sewage plants

- ⇒ Chemical plants
- ⇒ Feed mill machines
- ⇒ Harvesting machine
- ⇒ Textile machinery
- ⇒ Tyre manufacture
- ⇒ Made to order chain



MINING & HEAVY INDUSTRIES



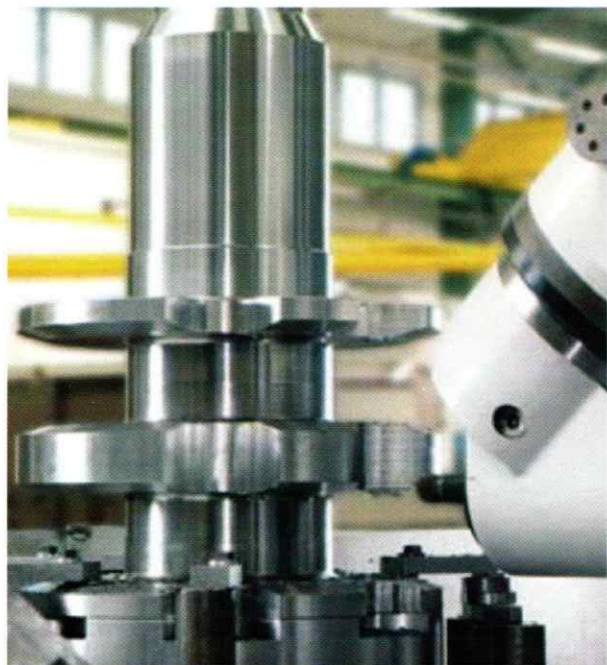
⇒ Shuttle car chain
⇒ Heavy duty chain

⇒ Feeder breaker chain
⇒ Engineering class drive chain



An integral part of the **STANWORLD** company philosophy is to supply our customers with only the highest quality. To achieve this goal, we use the latest machinery and production techniques. In addition, both our quality management and our research and development department are continually striving to further improve our products.

STANWORLD has opted a high vertical range of manufacturing and a profound in-depth knowledge to guarantee the top-quality of our products continuously at all levels. Virtually all chains are manufactured in our plant by our own employees.



Mechanical processing

STANWORLD utilizes state-of-the-art CNC technology for mechanical processing. This not only enables us to lathe bushes, pins, and rollers, but also to mill plates, sprocket teeth, and bore holes with the highest degree of precision.

The manufacture of variable constructions is completely unproblematic. Special customer requests can thus be realised quickly and definitely. In addition, all bushes, pins and rollers for our chains are ground to a fine tolerance after heat treatment with precise grinders to ensure an absolute fit.

Moreover, a precisely ground surface can greatly reduce the wear and noise development of a chain when it engages the sprocket.

Laser cutting

For manufacturing plates which require the highest degree of precision,

STANWORLD uses laser cutting technology. Additionally, link plates with complex contours can be produced.



Welding

All welding is carried out by our own professional welding operations. Production is done using the most modern welding methods. We manufacture our chains implementing semi and fully automated welding facilities to guarantee a uniformly high degree of precision.



Heat treatment

The joints of a chain which are subject to friction wear are given a wear-resistant surface through induction hardening. For heavy duty applications, this hardening can be preceded by an additional treatment process. All heat treatment processes are carried out here.

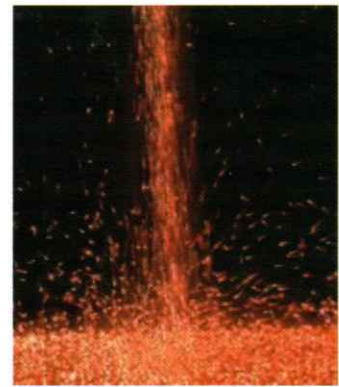
Induction hardened sprockets prevent wear on the teeth ensuring the optimal functioning between chain and sprocket.



Punching

Modern punching technology permits the effective serial production of chain plates and drivers. The punching tools needed for this purpose are also manufactured by in-house production. We can thus guarantee a high degree of accuracy in our chains.

All plates and drivers are shot-peened for additional quality after punching.



Metal forming

In order to produce bent attachment link plates, the bending zones of all pieces are first heated up by induction. The development of micro cracks due to the bending process can therefore be prevented and the service life of the links is significantly increased.



Final assembly

In the final step, the individual chain components are assembled to complete chains under hydraulic presses. Not until passing a final inspection are the products released for shipping to our customers.

R & D

In our extensive testing laboratories the following basic tests are done on a regular basis:

- » Service life testing of chain sections
- » Testing for resistance to elements
- » Roller wear tests
- » High temperature tests
- » Service life testing under varying environmental influences
- » Durability tests of chains and chain components

