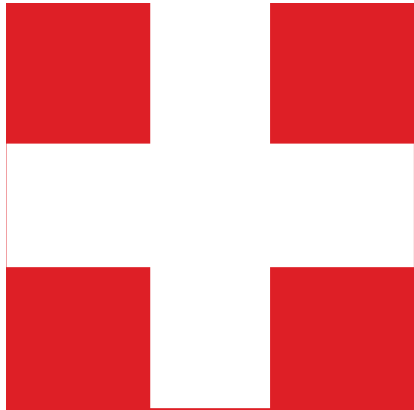


SWISS POWER



**MOBILE VERTICAL IMPACT
CRUSHING PLANTS**





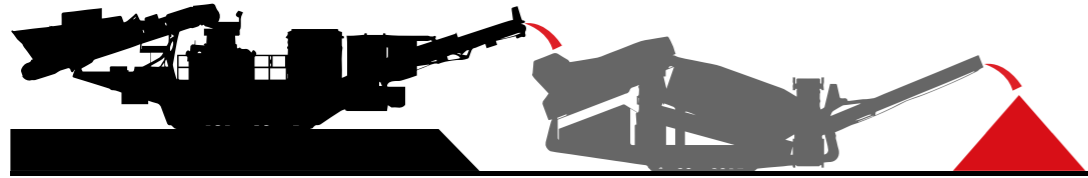
PRODUCTS ⁺ THAT MOVE MOUNTAINS

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VERTICAL IMPACT CRUSHING PLANTS REFINING MADE EASY

GIPO AG is setting new standards also in the chippings and crushed sand manufacturing sector with the Magotteaux vertical impact crusher. The fully mobile processing plant combines the proven GIPO Kombi system with feed unit, pre-screening machine, final screening machine, integrated oversize material return with the Magotteaux vertical impact mill MAG'Impact. With the Kombi system, you only need one plant to manufacture several different classes of premium chippings.

APPLICATION AREAS



GIPO V WITH DOWNSTREAM SCREENING MACHINE

The GIPO V can be used as an upstream plant.



GIPO V GIGA / GIPO V KOMBI

The GIPO V GIGA / GIPO V KOMBI provides the perfect combination of refining and flexibility.



GIPO V IN THE ASPHALT SECTOR

The GIPO V GIGA / KOMBI has proven to be a straightforward, robust and cost-effective processing plant in the asphalt sector.



GIPO V

The GIPO V is the base model in the mobile vertical impact crusher range. The plant is very flexible in use due to its compact design. The GIPO V achieves excellent results in both the quarrying and the recycling sectors.



GIPO V GIGA

GIPO V plants can be expanded with a 1 to 3-deck screening unit. These enhanced vertical crushing plants can be used to screen the crushed end product to produce the required final particle size. The base models can be expanded and can also be transported and operated with or without the screening machine.

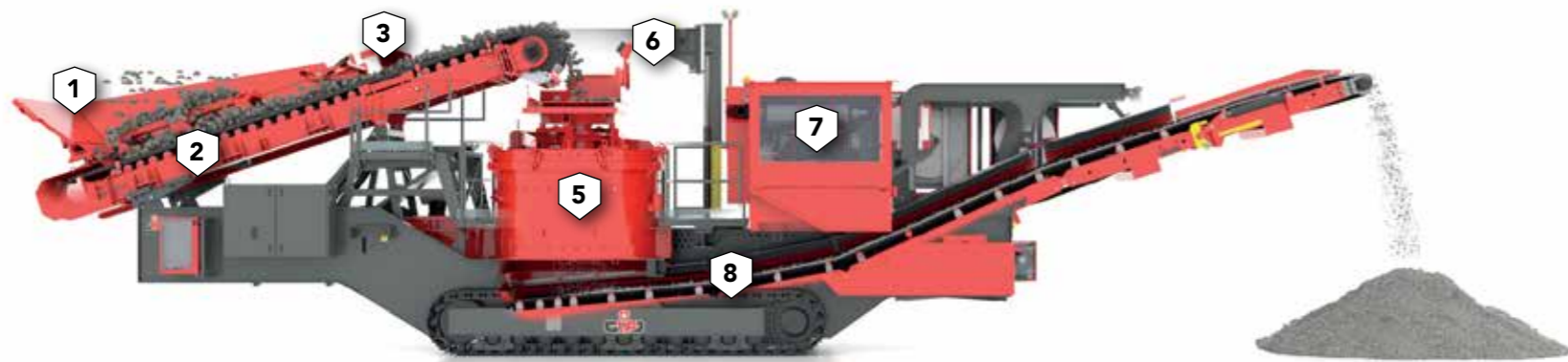


GIPO V KOMBI

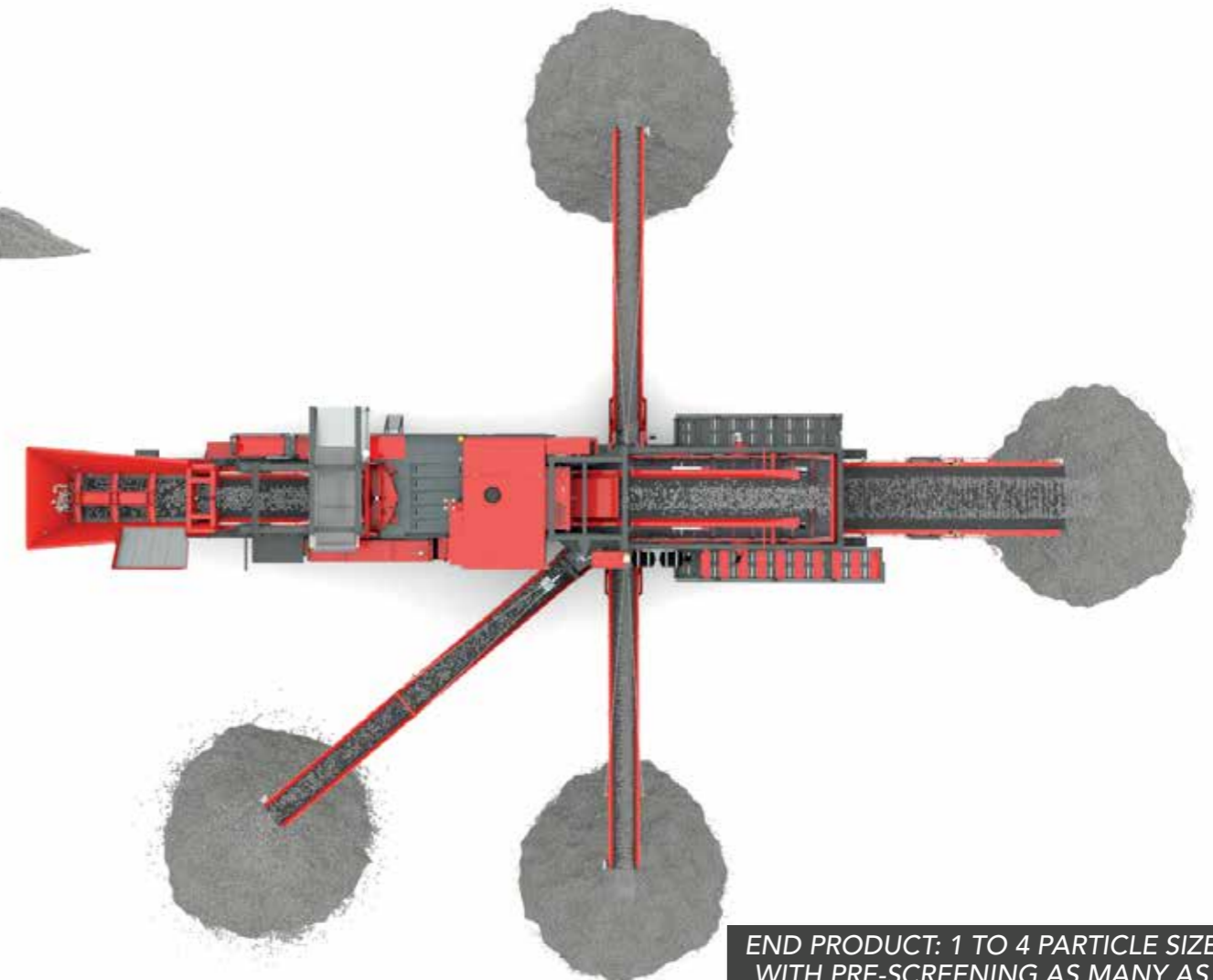
The GIPO V KOMBI series is a proven guarantor for supreme refining and is a clear sector leader for recycling asphalt and crushing sand and fine gravel.



FLOW DIAGRAM
GIPO V GIGA



FLOW DIAGRAM GIPO V



END PRODUCT: 1 TO 4 PARTICLE SIZES,
WITH PRE-SCREENING AS MANY AS 5

OVERVIEW – FLOW DIAGRAM

- 1. Feed hopper**
Robust hopper made of high-strength wear-resistant steel
- 2. Feed unit**
Optimal material feed with automatic overload control
- 3. Metal detector**
Device for locating metal objects
- 4. Magnetic separator**
Efficient ferrous metal discharge in cross or longitudinal direction
- 5. Vertical impact crusher**
Crusher for producing sand and premium chippings
- 6. Service crane**
For the replacement of wearing parts
- 7. Drive unit**
Performance-optimised drive concepts

- 8. Crusher discharge conveyor**
Broad, robust conveyor belt for trouble-free material discharge
- 9. Side discharge, middle deck/lower deck**
With discharge on both sides
- 10. Return conveyor**
Oversize material remains in the crushing circuit or, alternatively, is deposited on a heap (swivels hydraulically)
- 11. Final screening unit**
Powerful 1 to 3-deck screening machine with large area
- 12. Conveyor under screen**
Can be folded mechanically or hydraulically, mechanism for combining fractions

APPLICATIONS FOR MOBILE VERTICAL IMPACT CRUSHING PLANTS

The broad spectrum of the GIPO fleet covers every need in the crushing, screening and mineral preparation sector. With the vertical crusher as the heart of the machine and numerous configuration options and expansion components, every plant can be equipped appropriately for its application. Whether for crushing natural stone, the manufacture of gravel and sand, or while recycling asphalt: GIPO offers the optimal solution.



WE RECYCLE

- Lower CO₂ emissions (transport distances / thermal processing)
- Saving of natural resources
- Less waste
- Closed loop



WE CRUSH

- Universal application
- High performance
- High quality and very robust
- Cost-effective drive systems
- Durable and easy to service
- Highest availability



WE SCREEN

- Varied application area
- Maximum throughput due to large screen areas
- High quality, up to 3 decks
- Optimal accessibility
- Straightforward servicing



Crushing, along with sorting, is an essential step in the processing and recycling sector. Here GIPO plants deliver impressive results, even under the harshest conditions. The area of application is almost unlimited and ranges from classic natural stone processing to the recycling of different materials.



FIRST CHOICE FOR REFINING

Vertical impact crushing plants are typically used in the second and third crushing stage during the manufacture of sand and chippings, as well as during the recycling of asphalt.

THERE ARE NO LIMITS TO YOUR WISHES

LONG-TERM COLLABORATION AND REALISATION OF FURTHER PROJECTS



+ IDEA

A GOOD IDEA COMES ABOUT ABOVE ALL WHILE CONSIDERING YOUR OWN NEEDS. GIPO AG HAS SPECIALISED IN ADDRESSING CUSTOMER WISHES AND IMPLEMENTING THESE WISHES EFFICIENTLY.

INTENSIVE CUSTOMER DIALOGUE IS THE FIRST STEP.



CUSTOMER DIALOGUE



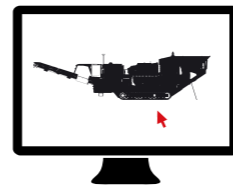
+ PRE-PROJECT PLANNING

THE PRE-PROJECT PLANNING CONVERTS THE IDEA INTO A FEASIBLE SOLUTION. THIS SOLUTION IS DEVELOPED AND PLANNED BASED ON CUSTOMER NEEDS THAT WE DISCUSS TOGETHER OR DETERMINE INITIALLY.

THEN THE AGREEMENTS CAN BE MADE.



AGREEMENT



+ PLANNING

PLANNING IS AN ESSENTIAL PART OF THE PROCESS DURING WHICH THE RESOURCES NECESSARY TO MEET THE GOALS, STRATEGIES AND DEADLINES ARE SPECIFIED.

ONCE THESE CORNERSTONES ARE ESTABLISHED, THE TOP QUALITY PRODUCTION OF THE PLANT, TAILORED TO YOUR NEEDS, COMMENCES.



PRODUCTION



+ DELIVERY

AFTER A QUALITY CHECK, THE PLANT IS PROPERLY PREPARED FOR TRANSPORT; TRANSPORT IS ORGANISED BY GIPO AG OR THE CUSTOMER.

DURING COMMISSIONING THE PLANT IS ADJUSTED TO THE CUSTOMER'S SITUATION AND REQUIREMENTS; COMMISSIONING ALSO INCLUDES PROFESSIONAL TRAINING AND INSTRUCTION.



COMMISSIONING



+ CUSTOMER SUPPORT

WE WANT TO SATISFY OUR CUSTOMERS COMPLETELY, FOR THIS REASON CUSTOMER SUPPORT IS A TOP PRIORITY FOR US.

WE OFFER STRAIGHTFORWARD SUPPORT, QUICK RESPONSE TIMES AND CUSTOMER-ORIENTATED SERVICES.



CUSTOMER SUPPORT

WE PLAN, TOGETHER WITH YOU, BESPOKE HIGH-QUALITY MACHINES FOR YOUR PROFESSIONAL USE



KARI GASSER
CEO GIPO AG

FROM THE INITIAL IDEA TO COMMISSIONING

YOU ARE PART OF THE **PROCESS**



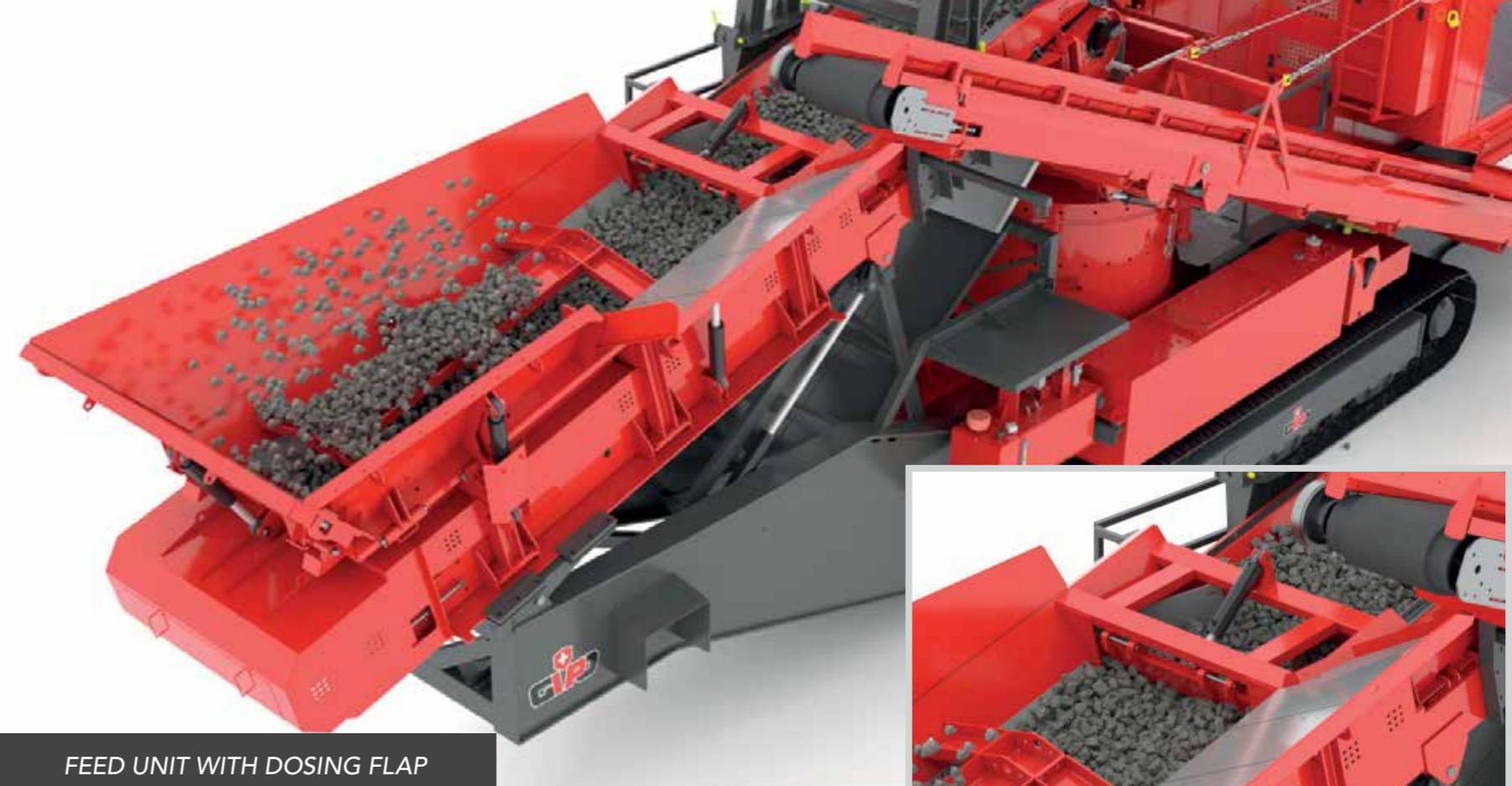
FEED VARIANT WITH FEED CONVEYOR



FEED VARIANT WITH INTEGRATED FEED CHANNEL (C)



FEED VARIANT WITH ACTIVE PRE-SCREENING (FDR)



FEED UNIT WITH DOSING FLAP



HYDRAULIC LOCKING ON HOPPER WALL HEIGHT INCREASE

FEED HOPPER VERSIONS

The feed hopper is designed to suit the application and loading vehicle. The welded construction made of solid wearing plates can be extended to increase the height or screwed wearing linings added. These items can be folded in hydraulically to the required height for transport.

MATERIAL FEED AND PRE-SEPARATION

Our broad spectrum of material feed and pre-separation variants covers all application areas. It is our goal to offer the customer the most efficient solution.

- Feed conveyor
- Feed channel with integrated pre-screening
- Feed channel with active pre-screening



FEED VARIANT WITH METAL DETECTOR



FEED VARIANT WITH METAL SEPARATION

VERTICAL IMPACT CRUSHER VERSATILE COMBINATIONS – HIGHEST QUALITY

The vertical impact crusher from Magotteaux is used with abrasive rock as well as limestone and gravel for the manufacture of high-quality sands and premium chippings. Material containing bitumen produced during asphalt recycling is also efficiently recycled by the proven, cost-effective technology with low wear. The constant crushing result from the vertical crusher produces cubic final particles free of cracks.



TABLE AND IMPACT PLATE

The patented compound casting technology consists of an unbreakable, impact-resistant metal alloy and an extremely wear-resistant ceramic.

The technology used in the table plates and impact plates in the MAG'Impact® offers the following advantages:

- Low wear costs per metric ton
- Consistently excellent discharge screening curve and particle shape
- Low maintenance effort

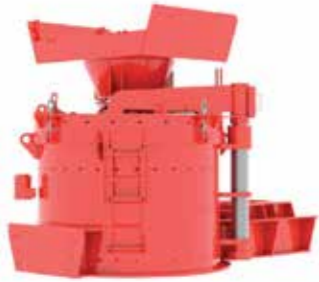


Impact plate

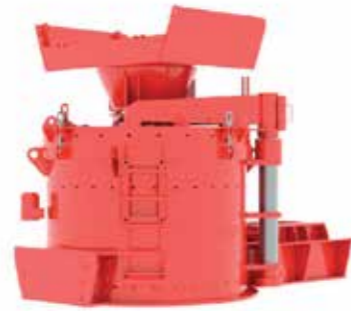


Table plate

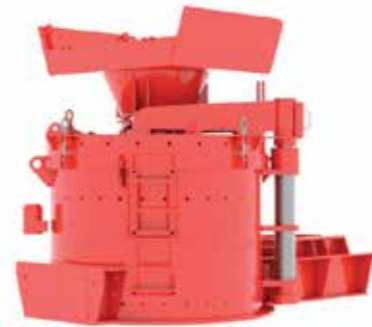
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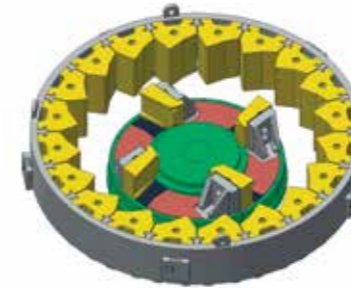
MAG'IMPACT®
2400



2700



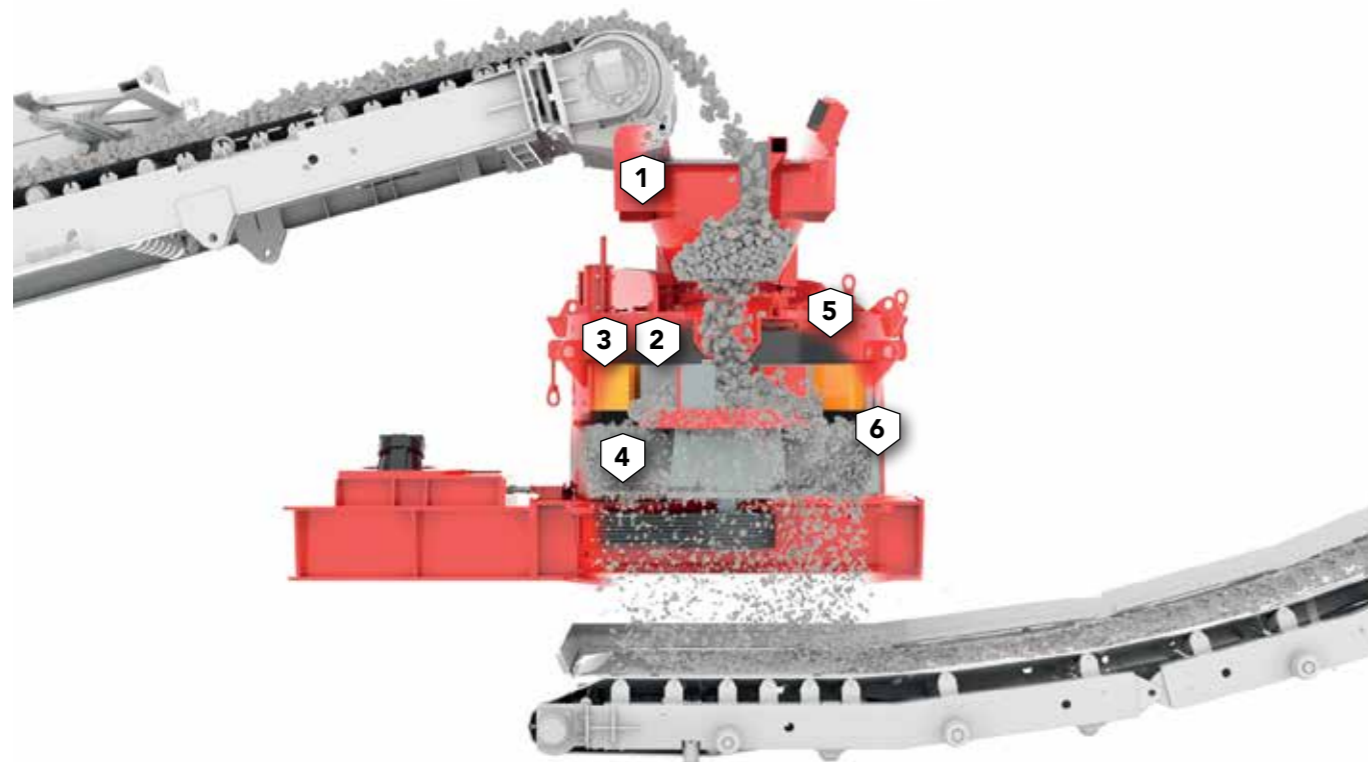
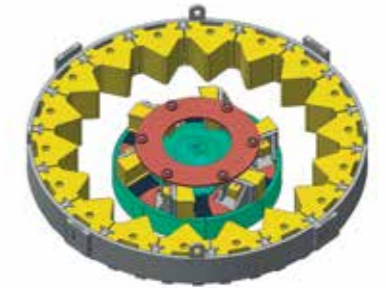
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MAG'IMPACT®
2400



2700



VERTICAL IMPACT CRUSHER IN USE

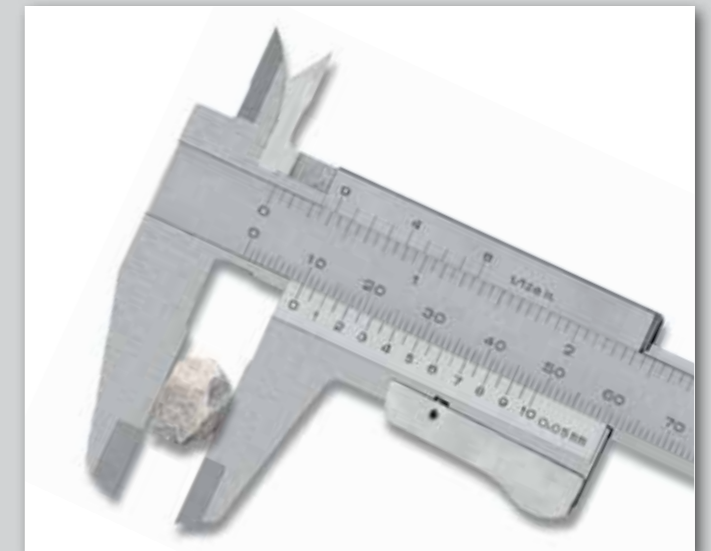
1. Inlet hopper
2. Impact plate

3. Table plate
4. Wearing lining

5. Vertical impact crusher cover
6. Vertical impact crusher housing

END PRODUCTS OF THE HIGHEST QUALITY

- Crushing by means of solely impact produces premium chippings with excellent cubicity and high-quality crushed sands, independently of the throughput or feed material composition.
- Thanks to the crushing chamber developed in-house in intensive studies, all particles arrive at the impact plates with high energy. In this way high degrees of crushing and an extraordinary percentage of crushed particles are obtained.
- The final particles are strengthened (reduction of the particle damage due to microcracks): crushed sands, premium chippings and ballast for particularly demanding applications.



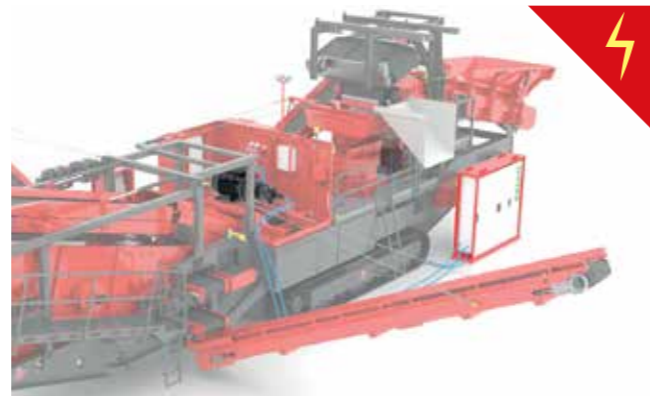
DRIVE TECHNOLOGY

The right drive technology for every application – this has been our motivation for many years. There are many ways to a sustainable future. For this reason, GIPO AG has set itself the goal of continuously searching for more efficient, more environmentally friendly types of drive and adapting existing technology to the state-of-the-art.



DIESEL – HYDRAULIC

With the fully hydraulic drive concept, a hydraulic motor with a closed circuit system powers the crusher with maximum torque and continuously adjustable speed. The auxiliary drives incl. the track unit are powered via a second hydraulic pump circuit with efficient load sensing system and can be continuously adjusted independently of each other.



ELECTRO – HYDRAULIC WITH DIRECT DRIVE FOR CRUSHER

The electrically powered plants are supplied by means of external power connections. This supply is via the power switch cabinet, which is connected to the electric motors. The crusher unit is powered directly using the electric motor. The auxiliary drives incl. the track unit are powered via a hydraulic pump circuit driven by an electric motor with efficient load sensing system and can be continuously adjusted independently of each other.



FORWARD-LOOKING DRIVE TECHNOLOGIES

Our product solutions are the result of many years of experience and customer-orientated engineering.



GIPOGREEN



GIPOGREEN is a drive technology that has been successful on the market for years. With GIPOGREEN technology you receive a compact, electrically powered, mobile crushing plant that leaves nothing to be desired due to its clever design.



The electrical drive technology makes possible extremely high flexibility and therefore offers a reliable and highly cost-effective solution in a wide range of applications as well as in tunnel construction.

The low-emission drive technology combined with other options, e.g. the water spraying system, makes GIPOGREEN an excellent choice for the processing of recycled material in inner cities.



One of the most important drive technologies for more energy efficiency in industry is the usage of electric motors. The protection of the environment is very important to GIPO AG, for this reason we continuously develop new and even more efficient drive solutions.

By avoiding fossil fuels, not only is the environment protected, but also the customer's budget.



ABANDONING FOSSIL FUELS

GIPOGREEN technology combines protection of the environment with cost effectiveness. There are no direct exhaust emissions due to the electrical drive. For this reason this drive technology offers the perfect combination of performance and flexible work processes.

High efficiency, low maintenance, as well as reduced noise are only a few of the advantages of GIPOGREEN technology.

100%
GIPO POWER



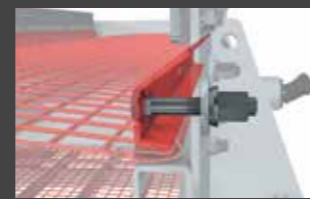
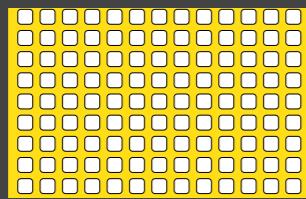
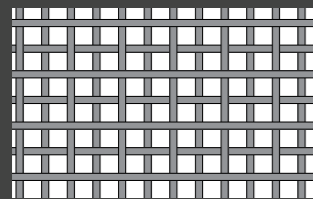
WE CRUSH ELECTRICALLY



SCREENING MACHINE OVERVIEW

SCREEN COVERING VARIANTS

FASTENING VARIANTS



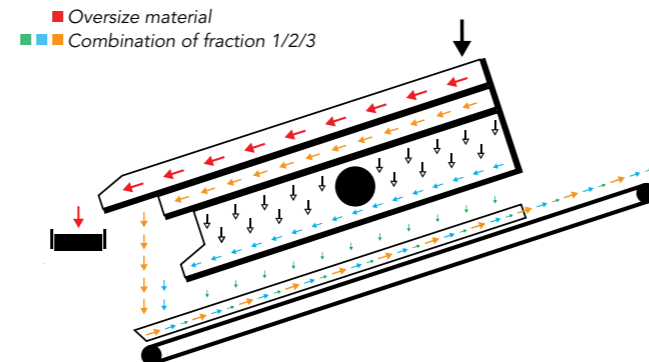
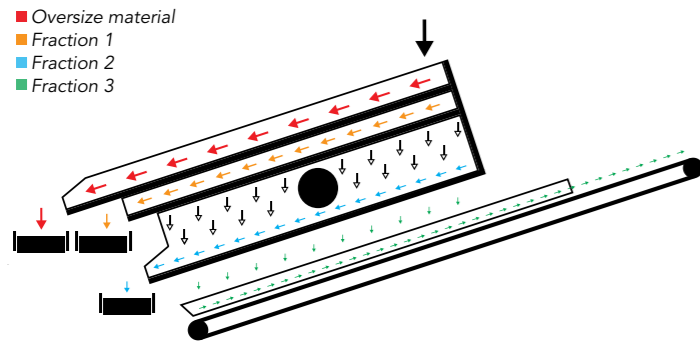
WIRE SCREENS

PLASTIC SCREENS

WEDGE FASTENING

SCREW FASTENING

The robust screens used by GIPO AG allow cost-effective, reliable separation of the feed material. Metal and plastic screens are used; the screens are selected to suit the application. The types of screen covering and fastening are agreed with the customer and matched to the crushed material and in this way ensure a highly flexible screening result as well as excellent ease of use.



DECK COMBINATION

On plants with two or more decks it is possible to transport the different final particle sizes to one heap and in this way to generate an optimal mixing ratio using the hydraulic deck combination. Air classification can continue to be used because the screening function is retained.

SCREENING MACHINE

The classifier screens are available in single or multiple deck designs. Thanks to the particularly large screen areas, a high throughput is guaranteed even with small final particle sizes. Due to the innovatively designed geometry of the screening machine, the material is distributed optimally over the surface of the screen and the productivity and accuracy of the classification increased. The final particle size classification can be optimally adapted to your requirements with the aid of various screen coverings and optimally adjusted vibrating screen parameters, such as speed and vibration amplitude.

FINAL SCREENING UNIT

The powerful, large area final screening units couple to the plant very straightforwardly without additional lifting equipment. These one- or more-deck units significantly reduce the weight of the plant and greatly simplify access to the screen deck.



TRANSPORT POSITION, GIPO V GIGA



FINAL SCREENING UNIT TRANSPORT

CONVEYOR BELTS

GIPO AG offers a broad range of conveyor belts with form and functions optimally matched to the needs of the customer. There are no limits to the application area for the conveyor belts because they are suitable for transporting all materials.

Whether the conveyor belt is to be folded for transport, is to rotate, or is to be equipped with additional options – GIPO AG covers all your needs.

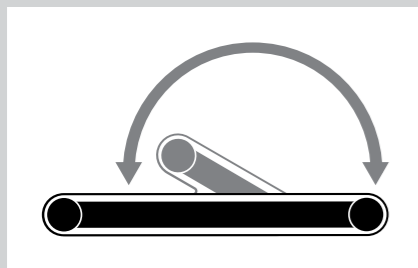


FLEXIBLE AND RELIABLE
**CONVEYING
SOLUTIONS**



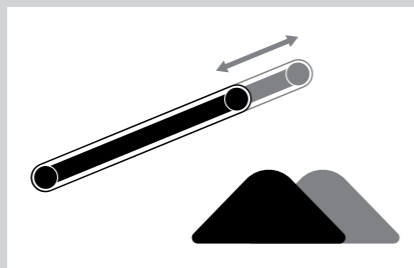
Protective hoods – Our protective hoods offer a high degree of safety during crushing. Thanks to their careful design, the hoods are robust but can nevertheless be removed very easily. In addition, the conveyor belt covers reduce the amount of dust produced in strong wind.

FOLDED POSITION



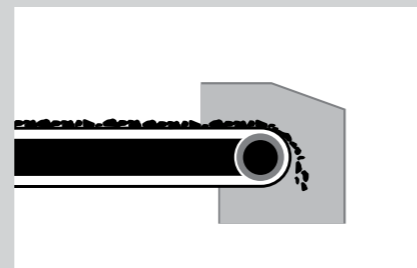
The conveyor belts can be placed in various transport positions to minimise the transport dimensions.

DROP HEIGHT



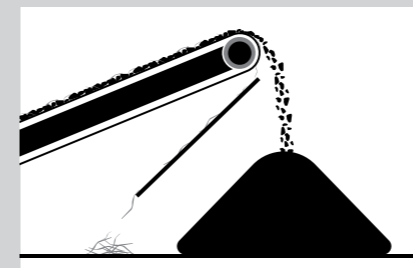
Customer wishes can be optimally addressed due to the flexible selection of the drop height.

COVER



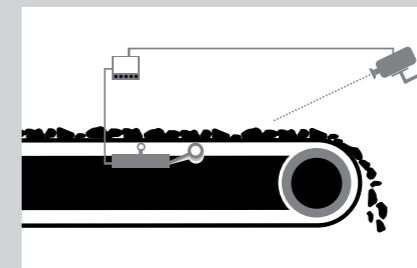
The discharge hood as well as aluminium covers are not only for work safety, they also minimise dust emissions.

MAGNETIC DRUM



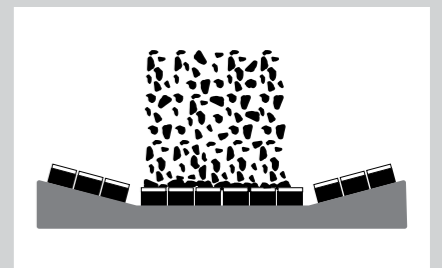
Ferrous metal discharge is further improved and the quality of the crushed material therefore increased by using the magnetic drum.

MEASURING SYSTEM



The volume measuring system as well as the belt scale measure the weight of the crushed material; this weight can be read on the control box.

TRELLPACT



The impact strips prevent damage and therefore increased wear. Optimal material distribution is also achieved.

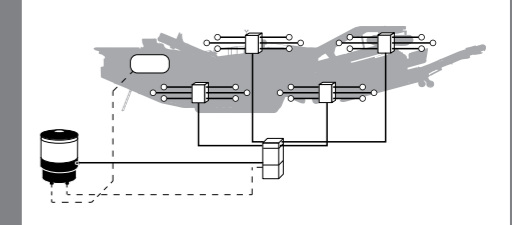
WORKPLACE LIGHTING

GOOD OR EFFICIENT WORKPLACE LIGHTING REDUCES HAZARDS AND PREVENTS ACCIDENTS. FOR THIS REASON GIPO AG OFFERS NUMEROUS DIFFERENT LIGHTING OPTIONS. THE ECONOMICAL BUT NEVERTHELESS EXTREMELY BRIGHT LED SPOTLIGHTS LEAVE NOTHING TO BE DESIRED.



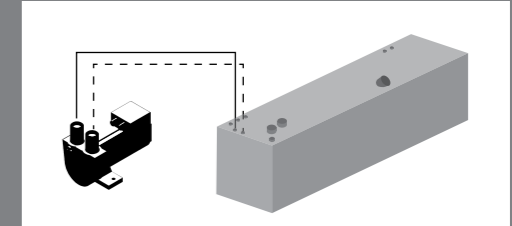
NOISE EMISSIONS

NOISE EMISSIONS ARE SUBJECT TO STRICT REGULATIONS. FOR THIS REASON WE WORK CONTINUOUSLY ON REDUCING NOISE TO A MINIMUM.



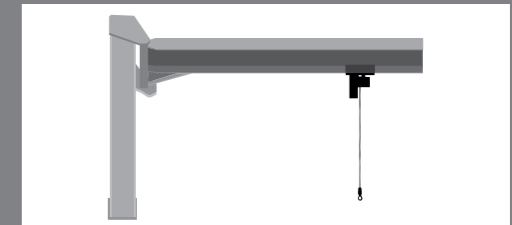
CENTRAL LUBRICATION

No lubrication points are missed due to the bespoke central lubrication system. Lubricant consumption as well as bearing lubrication are always optimally designed.



REFUELLING PUMP

The refuelling pump can be installed close to the diesel tank on the plant and pumps the fuel, e.g., from tanks or drums into the diesel tank fitted to the plant.



SERVICE CRANE

The optionally available swivelling crane is used for the straightforward handling of the crushing tools.



RADIO REMOTE CONTROL

The radio remote control makes the work process easier because every function is specifically adapted to your needs such that maximum efficiency can be achieved.

UP TO **99%**
AVAILABILITY

THE GUARANTOR FOR
CUBICITY

SAFETY AND WORKING CONDITIONS

Impeccable working conditions as well as safety at the workplace are ensured by easy to reach service accesses as well as safety components installed as standard. Useful attachments, e.g. the central lubrication, ease the amount of effort required and guarantee smooth, reliable servicing. Many of these options are in daily use and are very popular among our customers.



EASY TO OPERATE

Innovative and easy to operate plants



SAFE

Manufactured to the latest country-specific safety standards/CE compliant



COST-EFFECTIVE

Modern plants for commercial success

CUSTOMER NEEDS

At GIPO AG customer satisfaction is a top priority. For this reason we are the only manufacturer of mobile crushing plants to offer plant paint finishes in the RAL colours you require, as well as the installation of optional additional equipment and safety equipment. In this way we ensure that your GIPO crushing plant integrates 100% into your existing plant fleet and therefore leaves nothing to be desired.



PLANT CONCEPT EXACTLY ACCORDING TO YOUR WISHES

SAFETY STANDARDS

WE MANUFACTURE YOUR PLANT TO THE LATEST COUNTRY-SPECIFIC SAFETY STANDARDS.

SAFETY EQUIPMENT

FURTHER SAFETY EQUIPMENT CAN BE MANUFACTURED TO CUSTOMER REQUIREMENTS.

PAINT FINISH CONCEPTS

DESIGN YOUR PLANT TO SUIT YOUR REQUIREMENTS. THERE ARE NO LIMITS TO THE COLOUR SCHEME!

CUSTOMER ADVERTISING

HAVE YOUR PERSONALLY DESIGNED CUSTOMER ADVERTISING APPLIED TO YOUR PLANT DURING MANUFACTURE.



CUSTOMER LOGOS OR ADVERTISING CAN BE APPLIED DIRECTLY DURING MANUFACTURE

COUNTRY-SPECIFIC SAFETY STICKERS

PROTECTIVE LACQUER FOR TRANSPORT

PAINT FINISH AVAILABLE IN ALL HIGHLY WEATHER-RESISTANT RAL COLOURS

OPTIONAL SAFETY EQUIPMENT



CUSTOMER SERVICE



WE STAND FOR:

FLEXIBILITY

- COMPETENCE
- HIGH DEGREE OF MOBILITY
- COMMITMENT
- COMPLIANCE WITH REQUIREMENTS
- ADAPTABILITY

QUALITY

- HIGH STANDARDS
- OPTIMISED PROCESSES
- SOLUTIONS
- INNOVATIONS
- CUSTOMER SATISFACTION

RELIABILITY

- RESILIENCE
- PROFESSIONALISM
- DEPENDABILITY
- VALUE RETENTION
- PUNCTUALITY



CUSTOMER SUPPORT FROM THE START

FITTER SERVICE

SPARE PARTS

INSPECTION

REPAIR

TRAINING

SERVICE PLATFORM

ASSISTANCE

ADVICE

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Figures and text are for information only and may include options.
Subject to technical change. Performance data are dependent on
the application conditions.