

SLEEPER

Grimbergen – Sleeper Production

Grimbergen is your partner for production plants and logistics solutions for railway sleepers since 1984. With a railway sleeper plant designed and built by Grimbergen, railway sleepers can be manufactured to high standards, at competitive cost. Grimbergen provides tailor made solutions to fit your production demands. Whether your needs require plant optimization or equipment modernization, Grimbergen can provide the solutions you need.

Grimbergen sleeper production systems are regarded as a highly efficient production process, while always providing superior quality. Our efficient production process is characterized by a very low man-hour per sleeper. **Throughout the world Grimbergen has proven itself as the most reliable partner for new and existing sleeper production plants.**

Carousel production system.

Grimbergen custom made solutions for the production of many different types of concrete railway sleepers. Production systems can be customized to the required sleeper design, such as pre-stressed, post tensioned, conventional reinforced or the production of slab track elements. Above all, Grimbergen can integrate your carousel systems like wall, floor and slab production systems. Similar to our long-line systems, the design of the carousel mould system will include sophisticated solutions for holding rail fastening inserts of all kinds, such as Vossloh , Pandrol etc..

- ⚙ Pre-stressing technology for the all known types of sleepers.
- ⚙ Pre-stressing forces are determined for the sleeper design.
- ⚙ Minimal deviation in mould shorting due to applying the pre stressing force.
- ⚙ Carousel plant design allows for plant mobility with minimal cost.

Quality

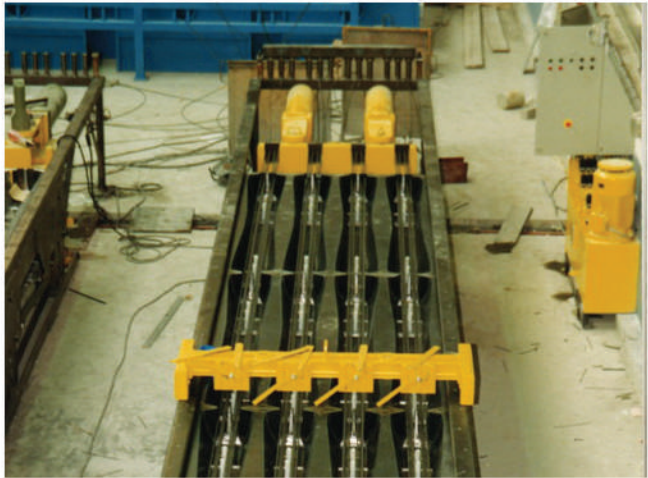
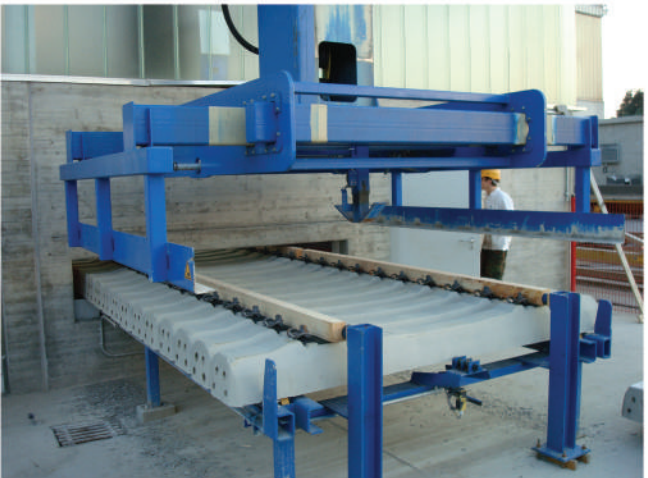
Obviously the quality and safety are your and our biggest concern. Within Grimbergen we continuously work according to an improvement plan for both our production processes and the quality of our products. Not only from the certificates such as ISO-9001, VCA++ and the machine building directives, Grimbergen appears to be the right partner, but also when you look at our expanding reference list of companies that demand the highest quality of their equipment, you can learn that Grimbergen stands for quality.

Long Line Sleeper Production system.

The “Grimbergen” solution for producing one type of a railway sleeper (pre-stressed mono sleeper) with constant high quality is a long-line production system with an optimal design to discharge the demoulded sleeper to storage. Due to the high level of development within Grimbergen, solutions for movable long line production systems are possible.

Benefits of the Grimbergen System:

- ⚙ Pre-stressing loads are applied on the demoulded sleeper
 - Shrinkage of the sleeper without stress.
- ⚙ Compacting vibrators are directly connected to the mould lines
 - Frequency-controlled operation.
 - Provides a more homogeneous consolidation of concrete.
 - Avoiding indirect vibrating movement, savings in maintenance costs.
- ⚙ Mould line without divisions
 - No concrete leakage, minimizing cleaning and maintenance costs.
- ⚙ Moulds with advanced solutions for connecting rail fastening cast-in items
 - Savings in assembly and cleaning time resulting in minimal failure costs.
- ⚙ High level of efficiency
 - Less manpower. Savings in failure and labour costs.
- ⚙ Movable sleeper production units possible
 - Production facility near the project. Savings on transport cost.



ADVICE

Grimbergen is your advising and supporting sparring partner during both the development of new systems and equipment and the maintenance, continuous improvements, transformation or renovation of existing installations. Our experienced project managers are ready and willing to examine each aspect, each question to come to a grounded solution..

DESIGN

The creative and experienced team of designers and engineers within the Grimbergen team will translate all your wishes and ideas into a functional design. The whole process of course in close cooperation with you, your employees involved and our expert project team.

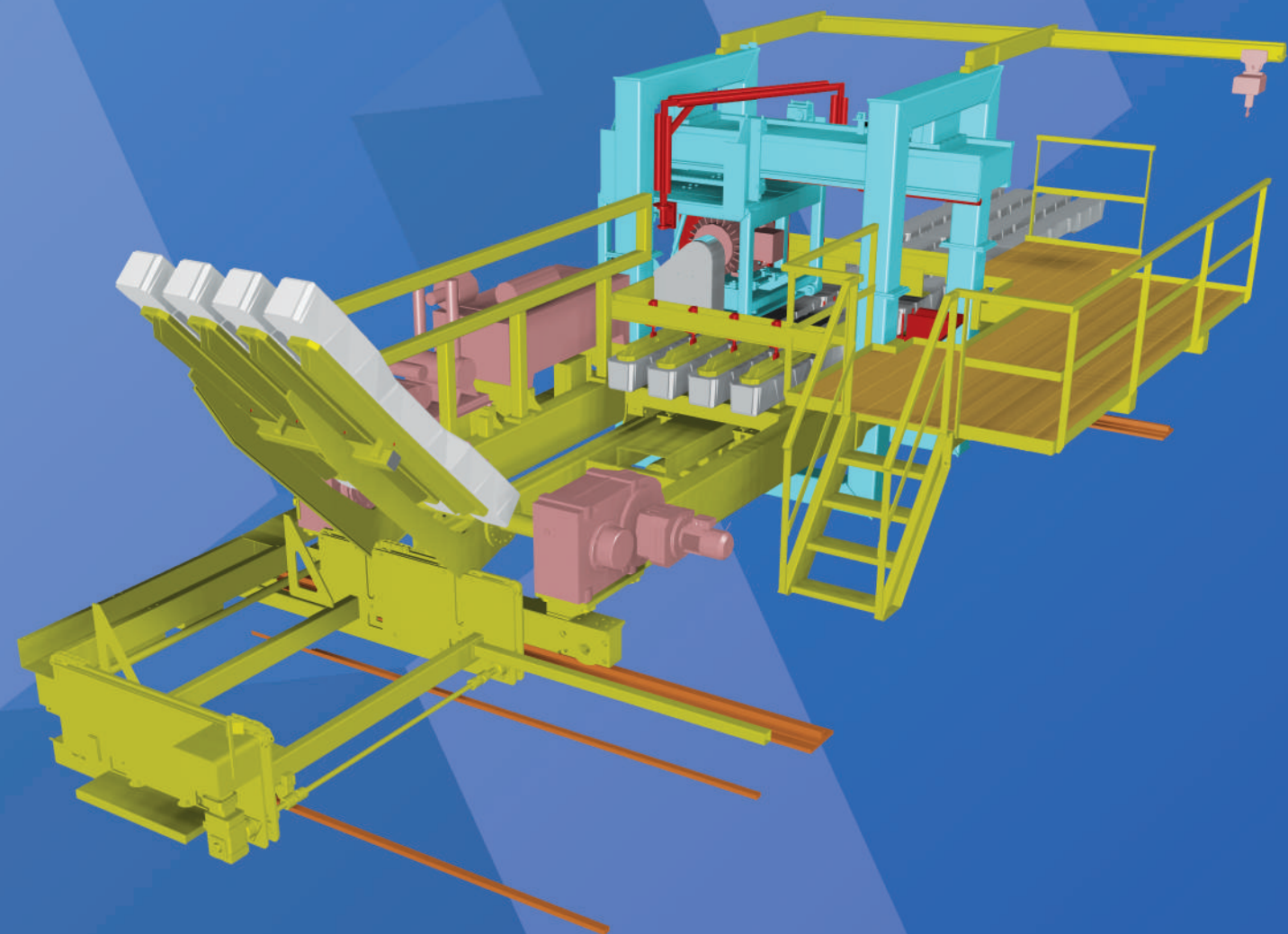
In each final design of course the questions as safety, sustainability and maintenance will be taken into account. Guaranties on the usability of the design come from the control of each engineering discipline which is necessary for the achievement of the total design. Think about the in house accommodation of e.g. mechanical, electrical and operating-technical engineers, who also draw knowledge from the practice experience from our own production, maintenance and service environment.

REALISATION

The manufacturing, assembly, and putting in operation of your equipment and systems will also be realised by our own Grimbergen specialists (the final parts at your location). Herewith we carefully monitor and control the agreed quality and delivery time of the systems with which you want to be operational as soon as possible. Additional advantages are that herewith the complete knowledge of each detail is in-house available and therefore a quick and flexible answer to upcoming questions can be given.

SERVICE

You want to gain the maximum out of your machinery and equipment and both work in a safe, efficient and sustainable way. To let your systems and processes perform optimally and to improve continuously you need an experienced, reliable and flexible team in the field of service and maintenance management. Grimbergen takes care of this by offering a high quality and complete service package so your machines and production plants can function optimally and to keep insight in and oversight of the condition of the equipment. On basis of your specific wishes and demands the support will be composed to a tailor-made service package which precisely fits your needs and working processes.



About us

In 1945 the company was founded as a smith's working-place by Mr Henk Grimbergen. Rapidly the activities were extended by fulfilling the need for machinery and equipment in the surrounding industries. In the course of years Grimbergen evolved into an internationally operating player under the lead of the second generation Freek Grimbergen in the field of tailor-made machinery and overall solutions in the form of complete production systems for the heavy industry. Meanwhile the grandson of the founder (Henk-Jan) took over the lead, but still with the course focused on client specific machines and logistic systems and always faithful to the philosophy which was held high during the past 3 generations: come to the best possible solutions in close cooperation with the clients to realise an optimal production plant with continuous improvements.

Besides the history and the steady course, the greatest value of the company is the extraordinary motivated team of people with year-long experiences in all possible disciplines, guts and especially innovative capacities. Always with their focus on the best result for our clients.

"The Grimbergen Philosophy"

Why? Our clients continuously work on the production of new and improved products in the most safe, efficient and sustainable way possible.

How? For you as our client Grimbergen is your partner during the complete lifespan of your production facilities. In close cooperation with you we search and realise the best possible solutions for an optimal performance, but also for continuous improvements of your production systems.

What? Grimbergen designs, realises and installs innovative tailor-made machines and logistic systems and offers a full service and maintenance package on these systems.



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