

HOMAG Group: Save resources and increase productivity

Do you want to increase your productivity by 30 %?

Do you want to make 40 % material savings?

Do you want to reduce your extraction output by 50 %?

Save resources and increase productivity at the same time!

You can achieve these ambitious goals with the HOMAG Group range of products and services.

As the market's leading innovator, the HOMAG Group offers custom tailored systems and machines designed to ensure maximum productivity and the long-term economic success of its customers.

HOMAG Group products are highly efficient and acknowledged as leaders of the field in terms of energy efficiency and sparing use of resources.

In the medium-term, savings in the order of 25 - 30 % are easily possible across the whole spectrum of industrial production.

The scientific world distinguishes four areas of action: (Source: Fraunhofer Gesellschaft)

1.) Energy and resource efficiency through increased process stability

Example 1: HOMAG Group machines offer reliable quality due to automatic part handling, automatic set-up processes and quality assurance systems such as glue film inspection or edge overhang monitoring. These help to substantially reduce reject quotas.

Example 2: The worldwide round-the-clock service, remote maintenance using TeleServiceNet and our diagnostic software wood**Scout** all ensure maximum machine availability of up to 90 %.

Example 3: For batch size 1 plants, automatic resetting between two workpieces takes less than 2 seconds! The use of standardized interfaces guarantees optimum functionality and facility for upgrading.

2.) Energy and resource efficiency in production processes

Example 1: Processor-controlled metering of the extraction velocity allows extraction output to be reduced by up to 50 %. By selectively directing the chip flow (internally extracted tools, the so-called I-system), the costs of chip disposal can be reduced by up to 30 %.

Example 2: The newly developed power-saving stand-by mode uses techniques such as the fastest possible deactivation of unwanted power consumers in the machine. This makes for production-dependent current consumption, with potential for savings of up to 30 % per annum.

Example 3: Machine design using the innovative material SORB TECH – developed in-house at HOMAG – permits even higher processing quality “without” reworking. This simultaneously increases tool life by up to 20 %, while primary energy is lower by a factor of three than when using steel.

Example 4: The newly developed HSK pushbutton simplifies the tool changing process. All tools are held by an automatic chuck set and can be exchanged simultaneously at the press of a button – meaning time savings of up to 75 % per tool change.

3.) Interlinked resources in process chains and systems

As early as the manufacturing phase, the best production methods and resource-saving processes using “best practice” examples are searched. By means of the CIP process they are developed further.

The customer retains the state-of-the-art production technology. For example for the complete processing of innovative lightweight panels - helping save resources and protect the environment by using 50% fewer materials.

Or for the construction of houses and the production of structural elements made completely of timber – a material which is renewable and CO₂ neutral!

It is only by using HOMAG Group products that these materials can be economically and innovatively processed!

4.) Loss-free infrastructure operation of production plants

The planners working for the HOMAG Group sales partners or for HOMAG Engineering develop specifically tailored solutions for your production plants, workshops and factories.

The broad-based machine range offered by the HOMAG Group and our cooperation with experienced partners culminate in optimum processes with impressive economic results.

The optimization of extraction systems and the efficient utilization of wood waste and waste heat offer enormous potential for energy savings.

Innovative technology, outstanding products, clear strategies and perfectly coordinated system competence make the HOMAG Group the world's leading supplier of machines and software for joineries and the wood processing industry.

Save resources for the environment and at the same time **increase productivity** for companies!



Fig. 1:

Logo Resource efficiency



Fig. 2

BMG 511 with heavy solid machine bed made of vibration-absorbing SORB TECH

For more information, contact

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