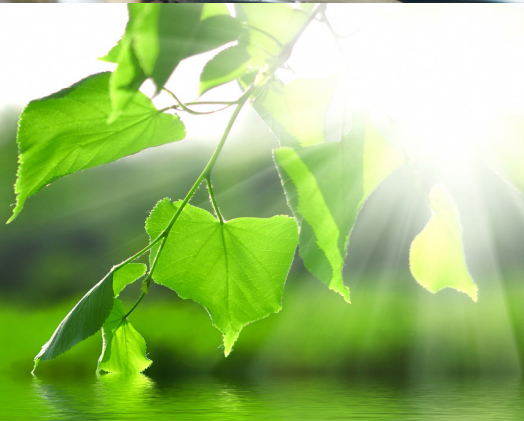


MANUFACTURING INDUSTRY



 **ORWAK**[®]
PART OF **SULO** GROUP

CONTROL TIME, SPACE & COSTS IN YOUR BUSINESS

The manufacturing industry is always on the look-out for waste handling solutions that contribute to the overall business economy. With Orwak solutions you can turn waste handling from a time-consuming and costly factor into a stream-lined process to save space, time and costs for your manufacturing business. Cut waste-related risks in the workplace, increase workforce productivity, handle diverse types of waste in different locations, and reduce waste disposal costs. And on top of that: Turn recycling into a source of income!



LESS WASTE = LESS RISKS IN THE WORKPLACE

Accumulated waste can constitute a fire hazard or cause slip/fall injuries in industrial workplaces. In addition, frequent onsite transports of waste (e.g. by forklifts) can interrupt production and be a potential safety hazard.

With Orwak solutions you can rapidly minimize the volume of waste material, reducing the risks associated with accumulating loose waste and keeping aisles, passageways and workplaces clear.

Compaction directly at source reduces the need of internal transportation of waste. High-density bales require much less storage space than piles of loose waste, and thanks to the small footprint of the Orwak systems you can be sure that they take up little floor space.

MORE PRODUCTIVE USE OF TIME

Your production crew should spend their time on production, not on waste handling. With the efficient solutions from Orwak, their time will not be wasted on such non-productive tasks. Install Orwak equipment in key areas throughout your production facilities.

This allows your work-force to handle waste faster and more efficiently at the source of it. Compaction also reduces waste volumes and the need for in-house/onsite waste transportation. Thus your work-force can concentrate more on their jobs and increased productivity.

EFFECTIVE HANDLING OF DIVERSE WASTE TYPES

The vast mountains of waste can be a challenge in any production facility, but so can the range of waste types that must be processed daily. The robust compaction systems from Orwak will help you deal effectively with a wide variety of materials: incoming packaging like cardboard/paper, plastic, steel and plastic bands, in addition to production off-cuts, and rejects such as print trimmings, plastics and containers.

Even containers of hazardous waste can be crushed inside drums for easier disposal. Our multi-chamber balers provide sorting of waste at source and produce compact waste for recycling or disposal.

DISTRIBUTED OR CENTRAL WASTE HANDLING? OR BOTH!

Waste quickly accumulates in different locations in a production facility. With Orwak solutions you handle the waste on-the-spot (unpacking, trimming equipment or other typical sources of waste) or move waste to a central location for compaction. A combination of distributed and centralized solutions is also possible to suit your needs.



LOWERING COSTS AND GENERATING INCOME

Reducing waste disposal costs and fees are important to any food business. Orwak not only helps you to reduce these costs and fees, but also creates a new source of income:

- + Sorting at source > Higher waste material quality for recycling > Income from recyclable material
- + Highly compacted waste > Fewer container pickups > Reduced waste disposal fees
- + Sorting > Less waste for disposal > Reduced waste disposal fees

Investing in an Orwak solution guarantees the best total waste handling economy!



CASE STUDY

STRATEGICALLY LOCATED BALERS REDUCE INTERNAL TRANSPORTS

ABB Cewe-Control, a business unit within ABB, has 500 employees and a large production facility. Most components are delivered in boxes, resulting in daily accumulation of large amounts of cardboard. It is challenging and places high demands on handling used packaging material in a safe and cost effective way.

Before three small dumpsters were placed indoors and a press container provided low pressure compaction outdoors. It was necessary to empty each indoor container 2-3 times a day. It resulted in a great deal of forklift traffic that was time consuming, costly and represented a risk in the working environment.

Now they have replaced the prior equipment with a Orwak solution of four 3410 balers with sliding door strategically installed at the incoming goods department and along the production lines where the components are unpacked.



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That is totally in line with Orwak's concept of sorting and compacting recyclable material directly at source. The effective balers produce 5-6 bales a week. That means one bale per baler and week compared with emptying each indoor dumpster 2-3 times per day. Tony Norén, industrial engineer at ABB:

"The new solution is beneficial to us in many different respects. The emptying frequency has been reduced significantly and the dangerous forklift traffic has declined substantially. Safety at the workplace is essential and it was the most important argument for the investment!"

The forklifts are now used in other production activities and the new solution contributes to a more orderly working environment.

COMPACTION SOLUTIONS FOR MOST TYPES OF WASTE

ORWAK develops solutions for sorting and recycling waste materials that improve business efficiency, contribute to a cleaner working and natural environment to provide the best total waste handling economy.

We offer an innovative range of products that promotes sorting at source and make waste management more profitable.