

## Expansion of granulation capabilities at Neue Materialien Fürth GmbH: Spiked roller crusher complements roller compactor

Neue Materialien Fürth GmbH is continuously expanding its technological capacities to offer innovative processes for the processing of metallic bulk materials. In our pilot plant we operate the Temconex® system, an energy-efficient extrusion process specifically designed for converting non-ferrous metals into continuous profiles and tubes. We are able to process bulk materials in various geometries, ranging from fine powders to granules and chips.

Preceding the Temconex® process, the bulk material can be dry agglomerated using a roller compactor (Figure 1). Here, the material is mechanically compacted between two counter-rotating rollers to produce a green compact. These sheets are then shredded into free-flowing granulate in the rotary fine granulator. This process enables the binder-free production of granulate in a defined size, which improves the flowability and dosing accuracy in the subsequent processes. There is no need for cost-intensive post-treatment or drying of the granulate.

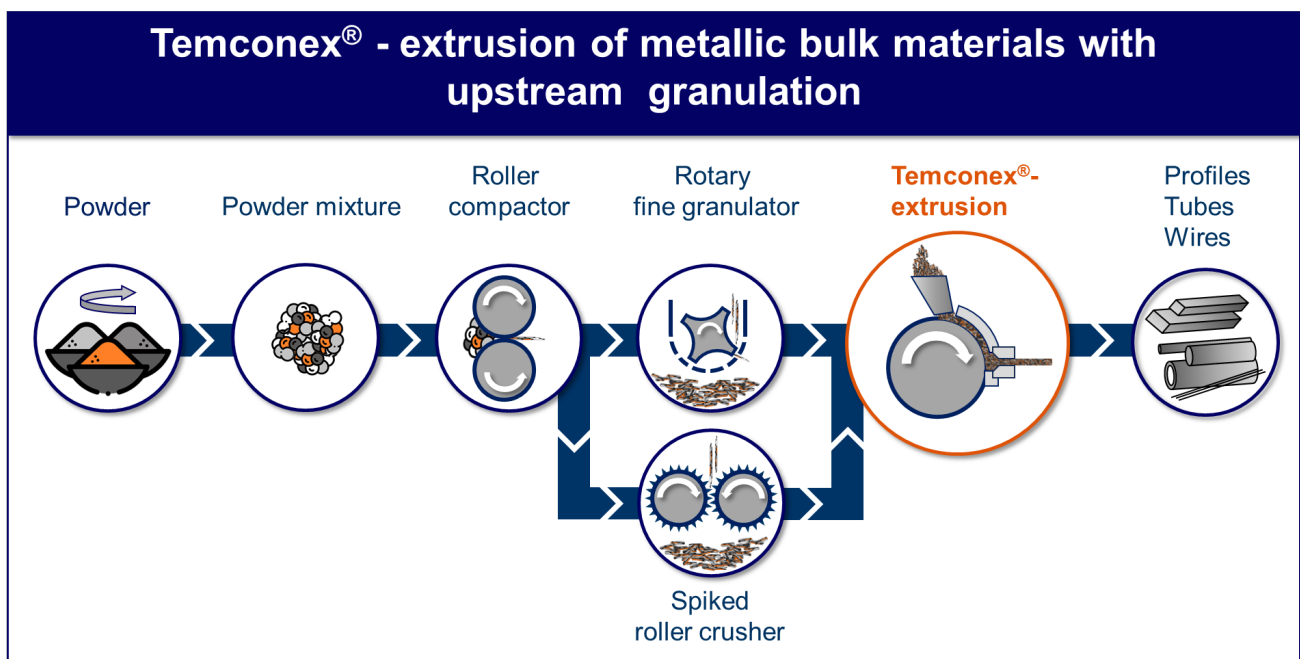


Figure 1: Temconex® process chain with upstream granulation

To broaden the range of materials we can process, we have now introduced a spiked roller crusher (see Figure 2). This technology enables us to shred green products that are less suitable for the rotary fine granulator, thereby opening up new possibilities for processing a wider variety of bulk materials in the Temconex® process.

With this technological enhancement, we can now respond even more flexibly and efficiently to our customers' needs, further improving the quality of our end products.

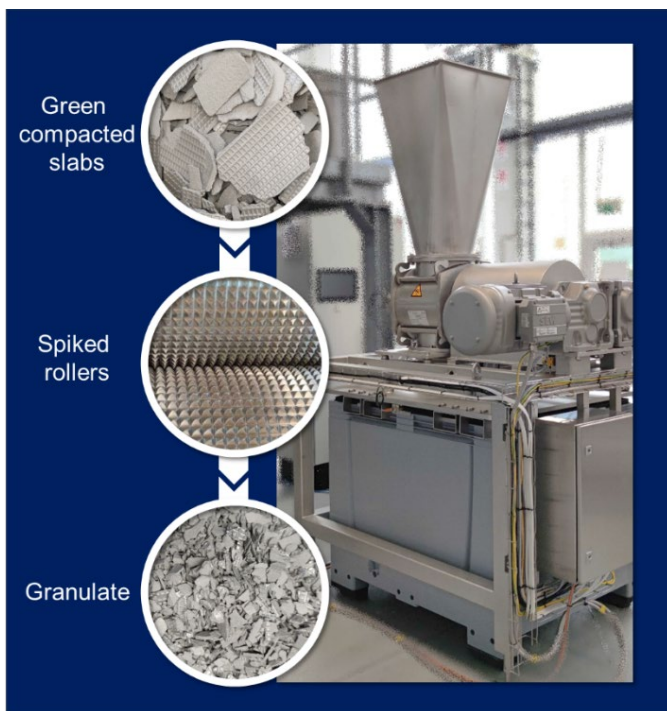


Figure 2: Spiked roller crusher for granulating green sheets