



## BPS® Backpaketiersystem® technology

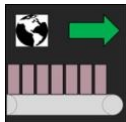
The BPS® technology for the automated, fast, and efficient and energy saving production of single teeth stator segments was developed over the last 10 years by SWD with its partners as Schuler, GF and others. The technology is mature and running in large series productions with several million stator single teeth per year. SWD AG – «we make your motors better»

### Strategic advantaged of the BPS® technology



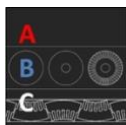
SWD supports you from samples to the serial production in large series volumes and beyond, to the production in your facility. Samples are already serial falling with manual interconnection of the processes

– **you have a reliable partner**



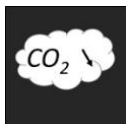
The BPS® system is the decentralised production off the future and the first step towards your perfect working in-house production or your base for your global footprint

– **your way to ease “make” or “buy” decisions**



Maximal material usage and changeover of raw material supplier and bonding varnish (Backlack) coating at any time (e.g. new fast and rapid systems) without any changes on the system. For each material lot, another supplier can be used –

– **your freedom of choice**

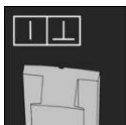


Direct interconnection of lamination stack manufacturing and next process steps towards the coil possible. No transports in between. Reduction of energy consumption

– **your contribution to reduce CO<sub>2</sub>**

- ▶ > 10 Mio. segments delivered
- ▶ 0ppm since 2 years (6 Mio. segments)
- ▶ Change of raw material supplier possible at any time
- ▶ Max. material usage and egalisation of wedge shape for reduction of scrap
- ▶ Several BPS® systems already running at customer sites
- ▶ Robust system with OEE and stability for safe supply

### Technical advantages of the BPS® technology



Smaller tolerances on the lamination stack due to precise punching and bonding tools.

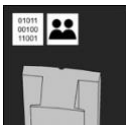


No straightening of the electrical sheet and less magnetical defects.



Higher stiffness of the segments due to a controlled, recurring, precise bonding process, bending force up to > 1 to.

Each part exactly identically bonded, «one piece flow» technology, no start-up parts, digital twin of each part and max. traceability.



Processing of material with thinner bonding varnish (Backlack) coating to increase filling factor and to improve motor performance.

