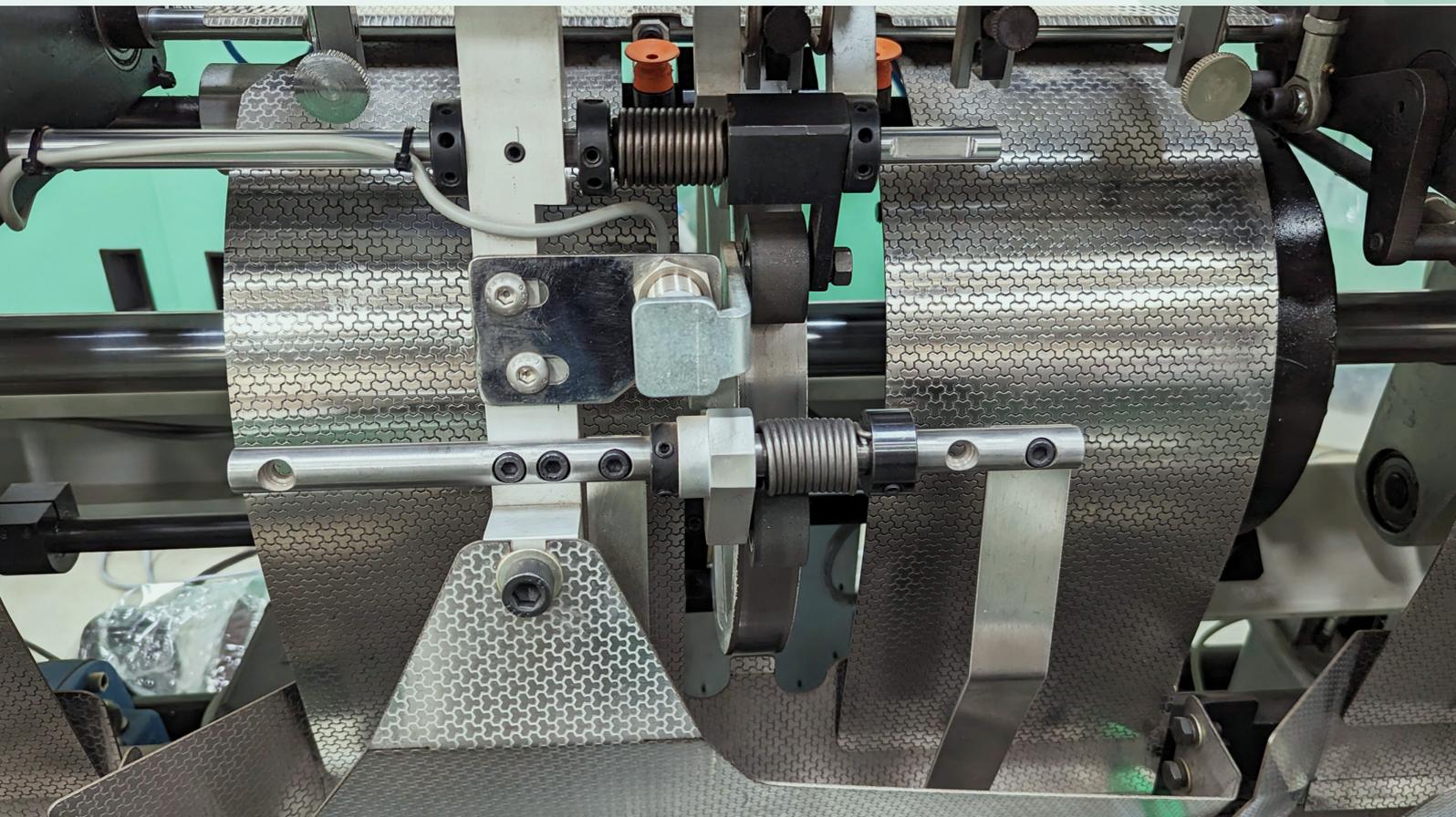


# SIGNA > 5K

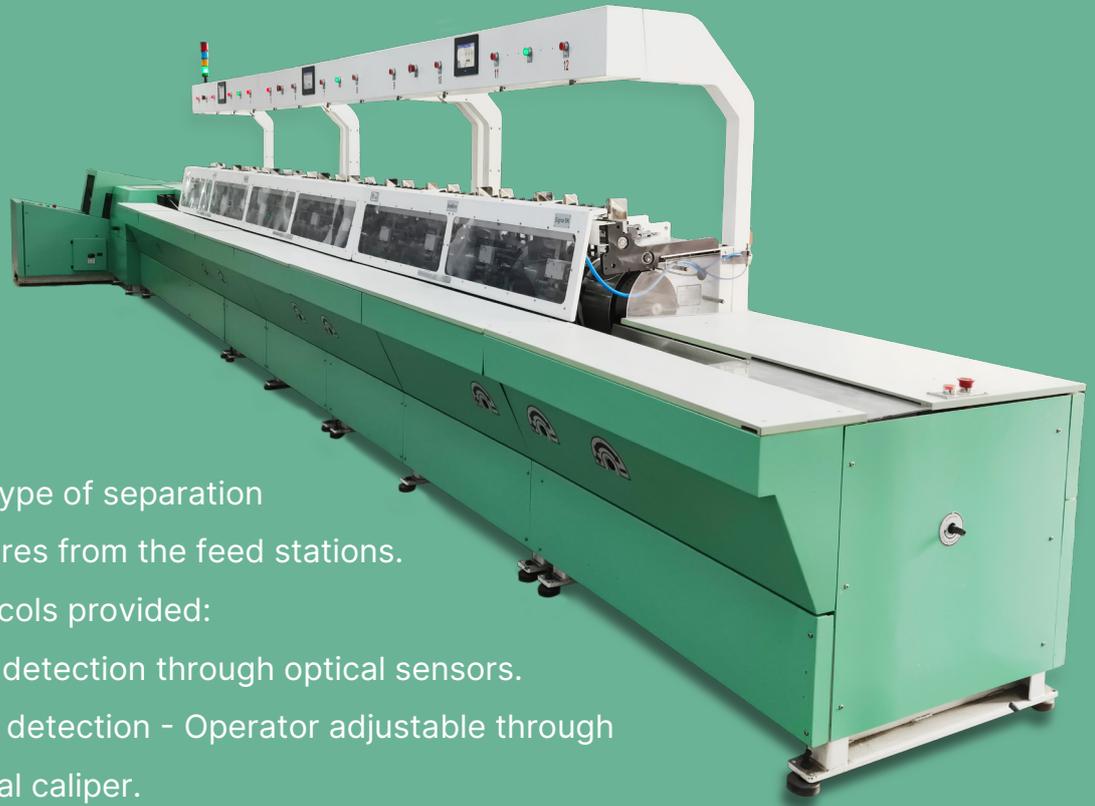
Modular Signature Gathering Machine with Optional Side Stitching

Now with BSRS (Bindwel Signature Recognition System)



## Salient Features

- Sturdy design incorporating latest safety features.
- PLC controlled system; Operations through touch screen HMI panel.
- Offline gathering - Base model of 4 stations with delivery unit, expandable up to 20 stations.
- Manual feed station – In case the number of signatures on a particular job is more than the number of gathering stations; the remaining gathered signatures can be fed into the manual feed station.



- Suction and gripper type of separation and pulling of signatures from the feed stations.
- Error detection protocols provided:
  - Missing signature detection through optical sensors.
  - Multiple signature detection - Operator adjustable through electro-mechanical caliper.
  - Low pile level detection through proximity sensor.
  - Signatures misaligned either due to improper gathering or while transmission will also be detected.
- Vertical zig zag stacking at delivery unit.
- Optional side stitching (stitching heads from hohner® Germany).

### Technical Data

Mechanical Speed	1. 5000 cycles /hour - Inline Operation 2. 4000 cycles per hour- Stand-alone Operation 3. 3000 cycles per hour side Stitching Operation
Spine Length (Max)	420 mm
Spine Length (Min)	140 mm
Book Width (Max)	300 mm
Book Width (Min)	110 mm
Book Thickness	3-50 mm

### Technical Data

Book Thickness (with side pinning)	3-16 mm
Distance Between Stitches	70 mm (minimum)
Number of Stations	4-20 stations
Signature GSM	40-250 GSM (single sheet depending on paper gsm & porosity)
Maximum Pile Height	150 mm
Power Requirement	415 V / 3 Phase / 50 Hz / 6 kW
Compressed Air Requirement	14 CFM, 8 Bar per module (1 module = 4 stations)



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