

NEW GENERATION COLLATOR FOR A2+ SHEET HANDLING

# HSB COLLATOR



**MSA**

the new system has been designed for collating small to medium print run newspaper, or other similar sheet stock, and provides users with a flexible and efficient means of collating product

The design of the **HSB COLLATOR** offers more in terms of productivity, ease of operation and flexibility with the range of paper weights and types that can be handled. It's large capacity means less need to stop for re-loading. Adjustable backstops are fitted as standard so smaller sheets can also be processed, adding to the versatility of the system.



- configuration of friction feed stations enable a high degree of flexibility in production
- single width paper trays can be conveniently loaded at waist height
- soft feed friction system using rubber rollers can handle a wide range of paper weights and types
- tried and proven needle sheet retention system fitted as standard
- heavy duty drive mechanism powered by timing belts and chain with roller bearing shafts running in a rigid frame
- PLC control functions include station selection, batch quantity/counter, missed feed detection and over feed detection

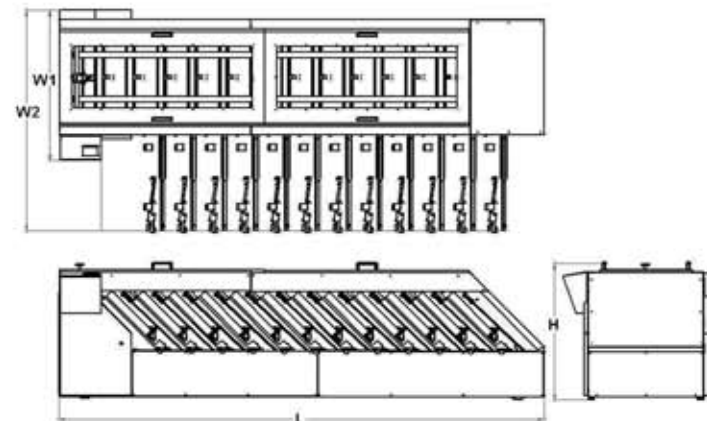
## SPECIFICATION

controls	PLC control system
speed	variable inverter drive
number of stations	6 or more (maximum approximately 36)
station pitch	250mm
feed mechanism	friction rollers & drag pin/needle
timing	mechanical adjustable
paper capacity	A2-A3, 35-80gsm (approximately 650x450mm max.)
tray capacity	60mm stack height (600 sheets at 50gsm)
output	up to 3600 sets/hour (depending on paper type)
guards	fully guarded electrically interlocked doors/ access panels and compliant to current CE and EMC regulations
dimensions/mass:	<i>NB: length &amp; mass will change depending on number of stations</i>
6 station	L=2530mm, W1=1200mm, W2 = 1800mm, H=1200mm, M=800Kg
12 station	L=3930mm, W1=1200mm, W2=1800mm, H=1200mm, M=1200Kg

optional extras available include a cross knife fold unit (producing a once folded newspaper), output conveyor and jog table

*MSA has the expertise to design and manufacture customised machines, catering for special requirements. Examples as follows:*

- double width trays to allow re-loading while system is running thereby increasing productivity
- systems for larger sheet sizes - up to 1120mm previously handled
- handling of a diverse range of products such as bingo tickets and scratch cards
- additional handling systems for problem papers/special applications



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