

# GRÜTZMACHER®

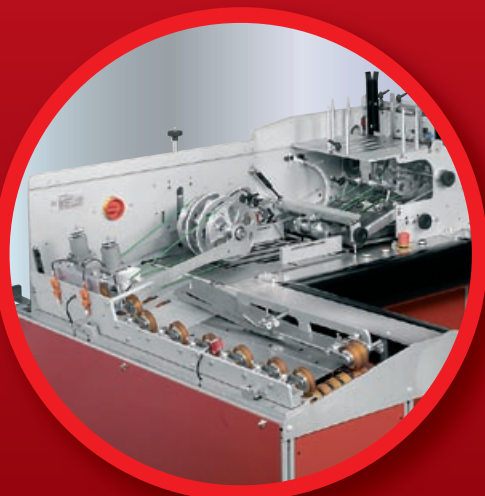
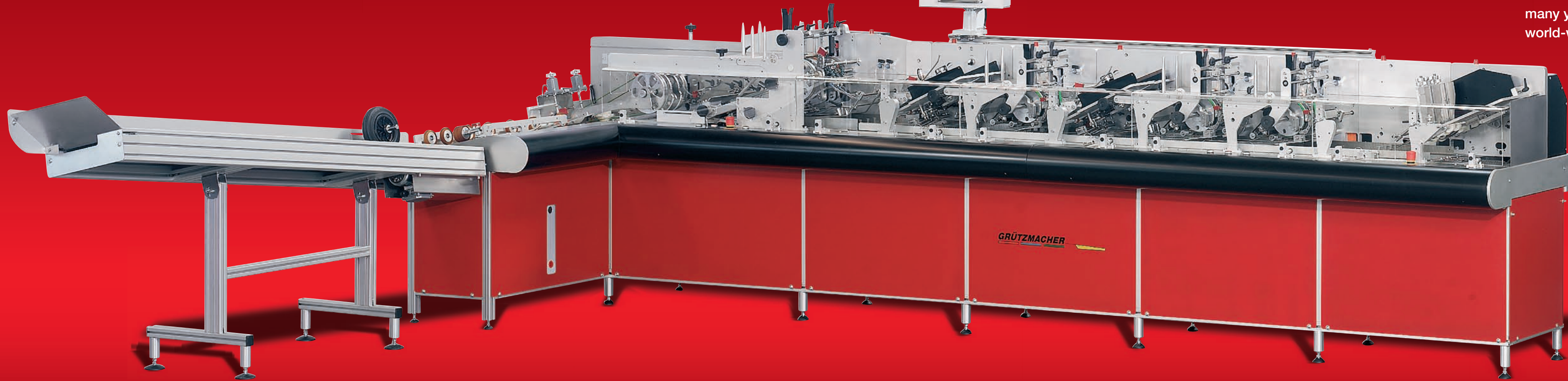
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## CHALLENGE MAIL PROCESSING MACHINE

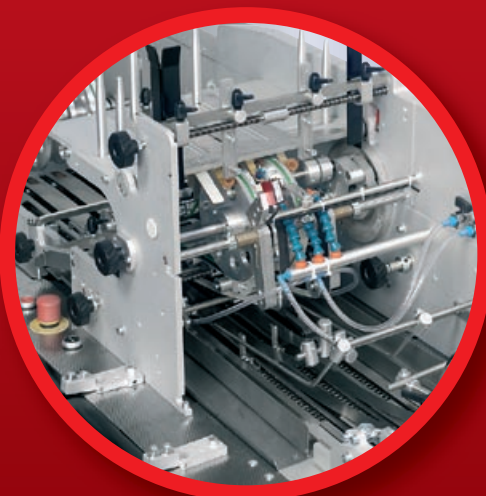
The Challenge range represents the foundation for all the Grützacher Envelope Inserting Systems. With its ease of operation, flexibility and durability, the Challenge has been in use for many years by a variety of business types world-wide.

The Challenge is a continuously running heavy duty machine which provides a smooth high-speed throughput for the inserts and envelopes. The extensive range of feeder types and vision systems helps make the Challenge meets all the demands of its customers. The choices and possibilities of configuration make this a truly flexible system.

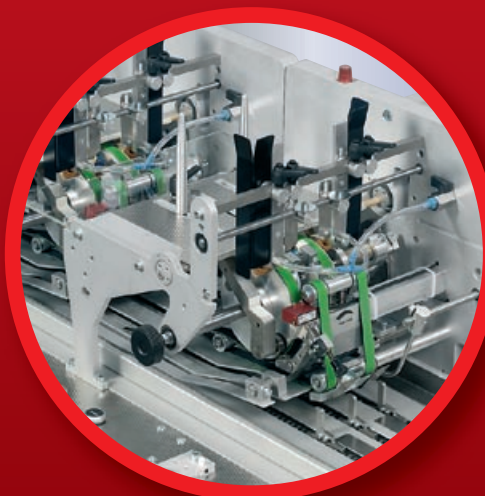
With a machine cycle speed of up to 15.000 items per hour and envelope sizes from DIN C6 to DIN C4 the Challenge is one of the most flexible envelope inserting systems in the world. Customers applications also include Direct and Transactional Mail.



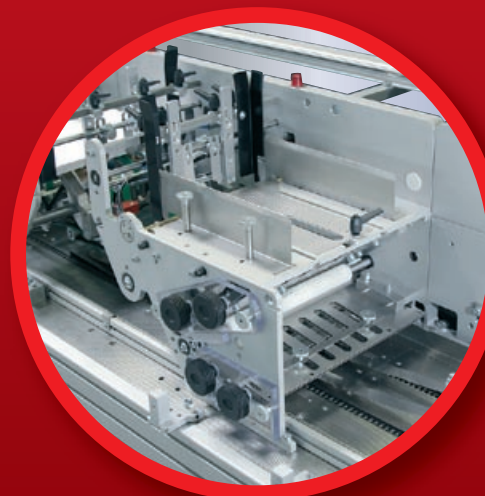
Envelope Closing



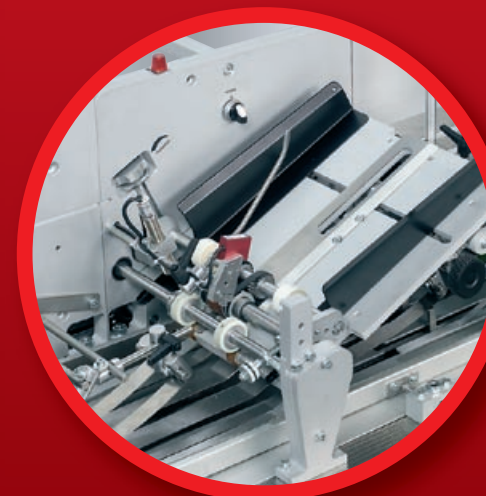
Envelope Feeder



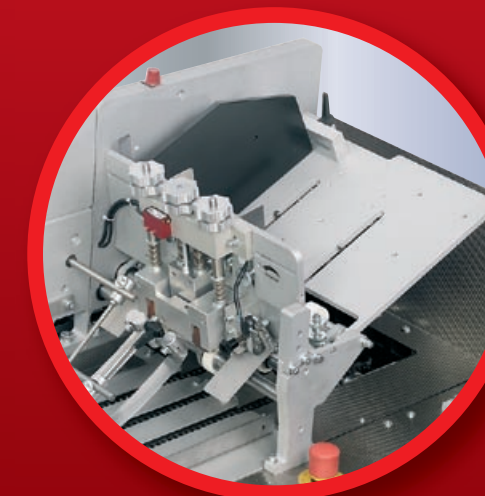
Rotary Feeder



Rotary Folder



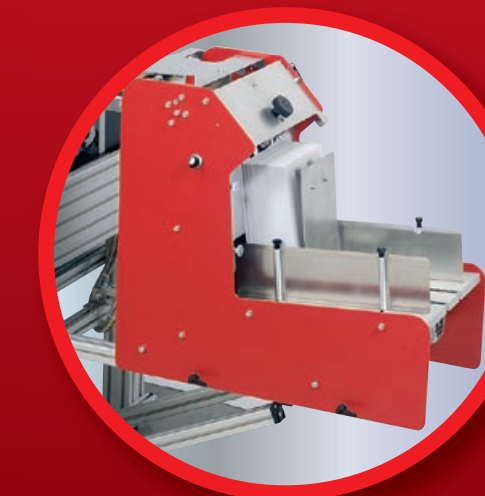
Friction Feeder



Shuttle Feeder



Transaction Module



Autoloader



# CHALLENGE Mail Processing Machine

## MACHINE SPECIFICATIONS

| Performance Data            | Challenge C5                | Challenge C4                      |
|-----------------------------|-----------------------------|-----------------------------------|
| Mechanical Speed            | Up to 15.000                | Up to 10.000                      |
| Number of Envelope Stations | 1 to 4                      | 1 to 2                            |
| Number of Insert Stations   | 1 to 13                     | 1 to 13                           |
| Envelope Sizes              | DIN C6 up to C5             | DIN C6/5 up to C4 (B4 on request) |
| Product Sizes               | 99 x 148 mm to 148 x 210 mm | 99 x 210 mm to 210 x 297 mm       |
| Max. Thickness              | Up to 8 mm                  | Up to 12 mm (Optional 16 mm)      |
| Types of Infeed             | Cut Sheets / Endless        | Cut Sheets / Endless              |
| Power Supply                | 3-phase 400V 50Hz 16A       | 3-phase 400V 50Hz 16A             |
| Heat Development            | 225 Watt/h                  | 225 Watt/h                        |

| Standard Equipment     | Challenge C5                           | Challenge C4                           |
|------------------------|--|--|
| Display                | Large Sliding Colour Touch Screen      | Large Sliding Colour Touch Screen      |
| Transport Chains       | 3 Flighted Chains - 55 mm apart        | 3 Flighted Chains - 55 mm apart        |
| Double Detection       | Electro-Mechanical                     | Electro-Mechanical                     |
| Miss-Feed Detection    | Electronic                             | Electronic                             |
| Start / Stop / Forward | 1 Software Button + 2 Hardware Buttons | 1 Software Button + 2 Hardware Buttons |
| Output                 | 2 Metre Conveyor                       | 2 Metre Conveyor                       |
| Soft Start             | Yes                                    | Yes                                    |

| Options                          | Challenge C5                   | Challenge C4                   |
|----------------------------------|--------------------------------|--------------------------------|
| Transactional Module             | Yes                            | Yes                            |
| Folding Systems                  | Rotary Folder / In-Line Folder | Rotary Folder / In-Line Folder |
| Reading Systems                  | OMR / BCR / 2D / OCR           | OMR / BCR / 2D / OCR           |
| Cable Remote Control             | Yes                            | Yes                            |
| Wireless Remote Control          | Yes                            | Yes                            |
| Integrity Control                | Yes                            | Yes                            |
| Envelope Autoload Conveyor       | Yes                            | Yes                            |
| Batch Kicker for Mail Sort Break | Yes                            | Yes                            |
| Product Tracking                 | Yes                            | Yes                            |
| Divert Bin                       | In-Line / Off-Line             | In-Line / Off-Line             |
| Multiple Feeding                 | Yes with Servo Motor           | Yes with Servo Motor           |
| Selective Feeding                | Yes                            | Yes                            |
| Flip/Flop Feeding                | Yes                            | Yes                            |
| Ultrasonic Double Detection      | Yes                            | Yes                            |
| 3 Metre Output Conveyor          | Yes                            | Yes                            |

### Possibilities of Configurations:

|                           |  |
|---------------------------|--|
| Different Type of Feeder: | • Friction Feeder (top feed) • Rotary Feeder • Rotary Folder • Shuttle/Lug Feeder (bottom feed)<br>• Rotary Feeder for thick products • Various Folding Systems • Hand Drop Station • Cutter (1-up / 2-up) |
| Various Output Solutions: | • 2 metre Conveyor • 3 metre Conveyor • Tray System SamPa • Stacker  |

The right to make technical modifications and changes is reserved. Performance figures may vary according to configuration and setup.



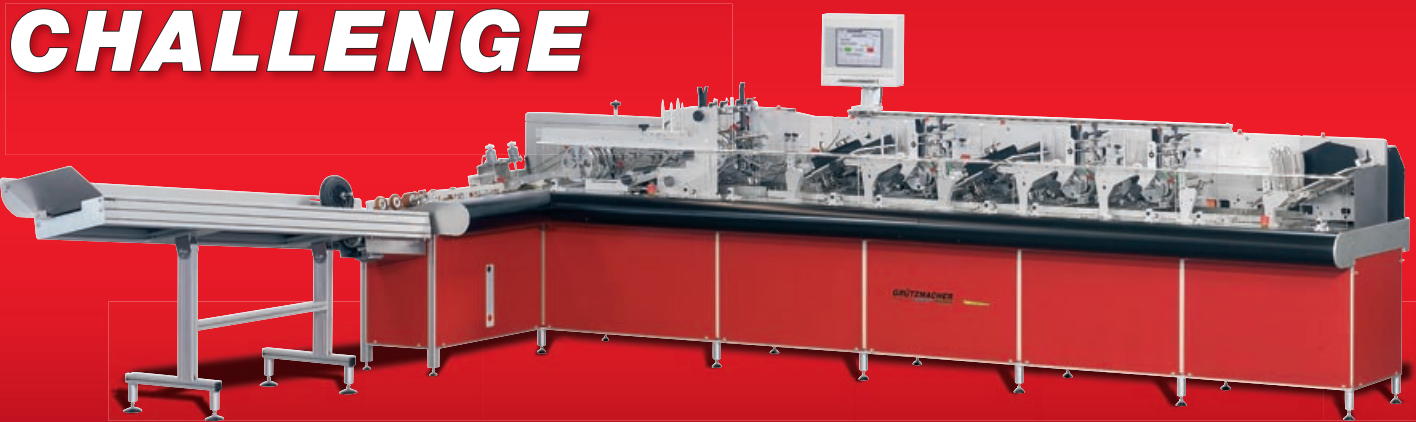
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## INTERNATIONAL DISTRIBUTORS

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| <b>Germany</b>                 | <b>Grützmacher System GmbH</b><br>Chattenweg 5<br>46286 Dorsten   | Tel.: +49 - (0) 23 69 / 20 89 89 - 0<br>Fax.: +49 - (0) 23 69 / 20 89 89 - 89<br>Email: sales@gruetzmachersystem.de |
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