

Gestetner 4170 ami



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A STEP NEARER COPYING PERFECTION

In 1881 David Gestetner, founder of the international Gestetner organisation invented the first practicable form of stencil duplication. Thus Gestetner was the first company in the world to make and sell document copying apparatus.

Gestetner stencil duplication has never been bettered and it is now one of the fastest, cleanest, most simple, economical and thoroughly reliable methods of transferring images (text and illustrations) onto sheets of paper in large numbers.

No newcomer then, more than a century ago, or since, has improved on Gestetner's basic duplicating process and the resultant print quality. The Gestetner duplicating system is a most mechanically perfect way of copying words, drawings and other information onto paper.

It is perhaps significant that it has fallen to the same world leaders and pioneers in office reprographics to bring the stencil duplicating system a step nearer perfection by introducing a second great invention: a totally automatic Inking and Ink Monitoring System for stencil duplication which Gestetner simply call **ami**.

ami does away with the last barrier to completely trouble-free and perfect duplicating – that of inking-up and ink control. Gestetner have now transformed stencil duplicating into a fully automatic one button operation.

It positions the modern duplicator alongside other electronic office equipment such as computers, word processors, printers, typewriters and the like – all of which, incidentally, become perfect partners for the **ami** duplicator. **ami** comes fitted as standard in all Gestetner's fully electronic 4170 stencil duplicating machines.

ami is a truly revolutionary breakthrough in the commercial world of office copying and duplicating. Automatic Monitoring Inking, more than any other reprographic improvement during the last 100 years will invigorate and speed up office efficiency, productivity and communication.

DUPLICATING CLEAN, CONSISTENT FAST AND ECONOMIC

Total Automation

Gestetner **ami** – advanced sophisticated electronic circuits which monitor and meter ink – represents a new generation of precision and accuracy. **ami** measures the amount of ink being used in making each copy, supplying more ink as required and keeping the level absolutely correct for optimum printing. **ami** controls the inking-up process as well as compensating for variable ink demand during a run. This means that your printed work is always crisp and black; excellent and consistent print quality from the very first to the last copy.

Large Volume Worker At High Pressure

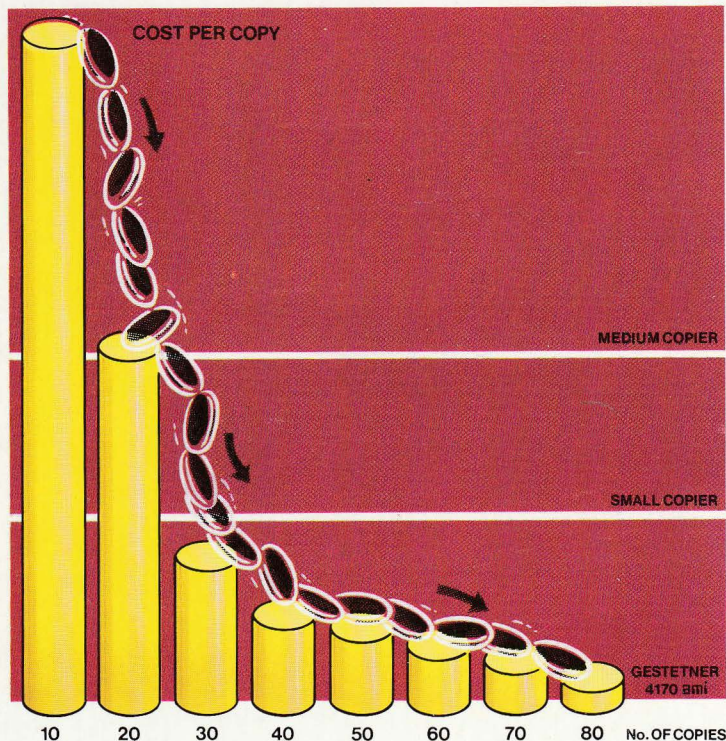
The 4170 **ami** has been developed especially for the organisation with high-pressure, large volume copying needs although it will work equally efficiently for the occasional and few copies. It is the most advanced stencil duplicator on the market today. No other two cylinder stencil machine (widely acknowledged as offering the best duplication) has a truly automatic or such an entirely satisfactory inking system as the 4170 **ami**.

All Major Duplicating Functions Fully Automatic

Gestetner Stencil Duplicator 4170 **ami** is the first in the world to have fully automatic ink monitoring, stencil loading, printing sequence and stencil ejection. All functions are governed by a microprocessor to give lightning response. Just like an ordinary office copier operation is fast, clean and simple. The 4170 **ami** is highly engineered using modern, high quality materials and technology and of rugged and durable construction. Packed with sophisticated electronics it is very reliable and almost maintenance free.

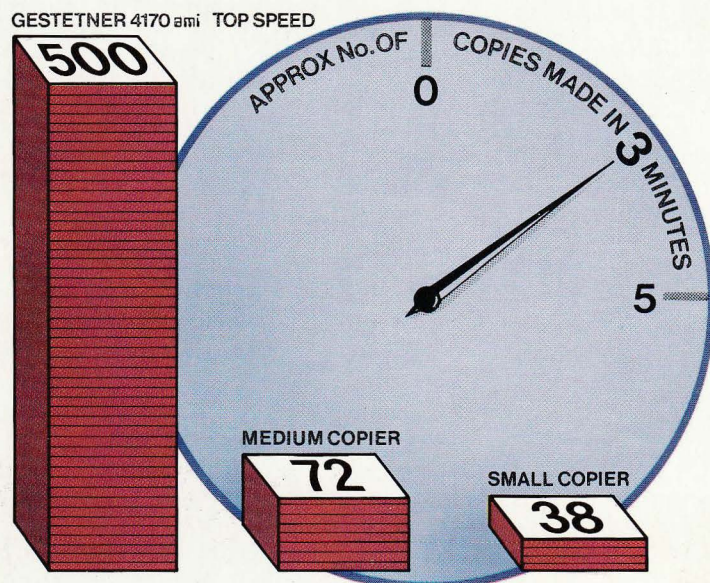
Cost Effective ami

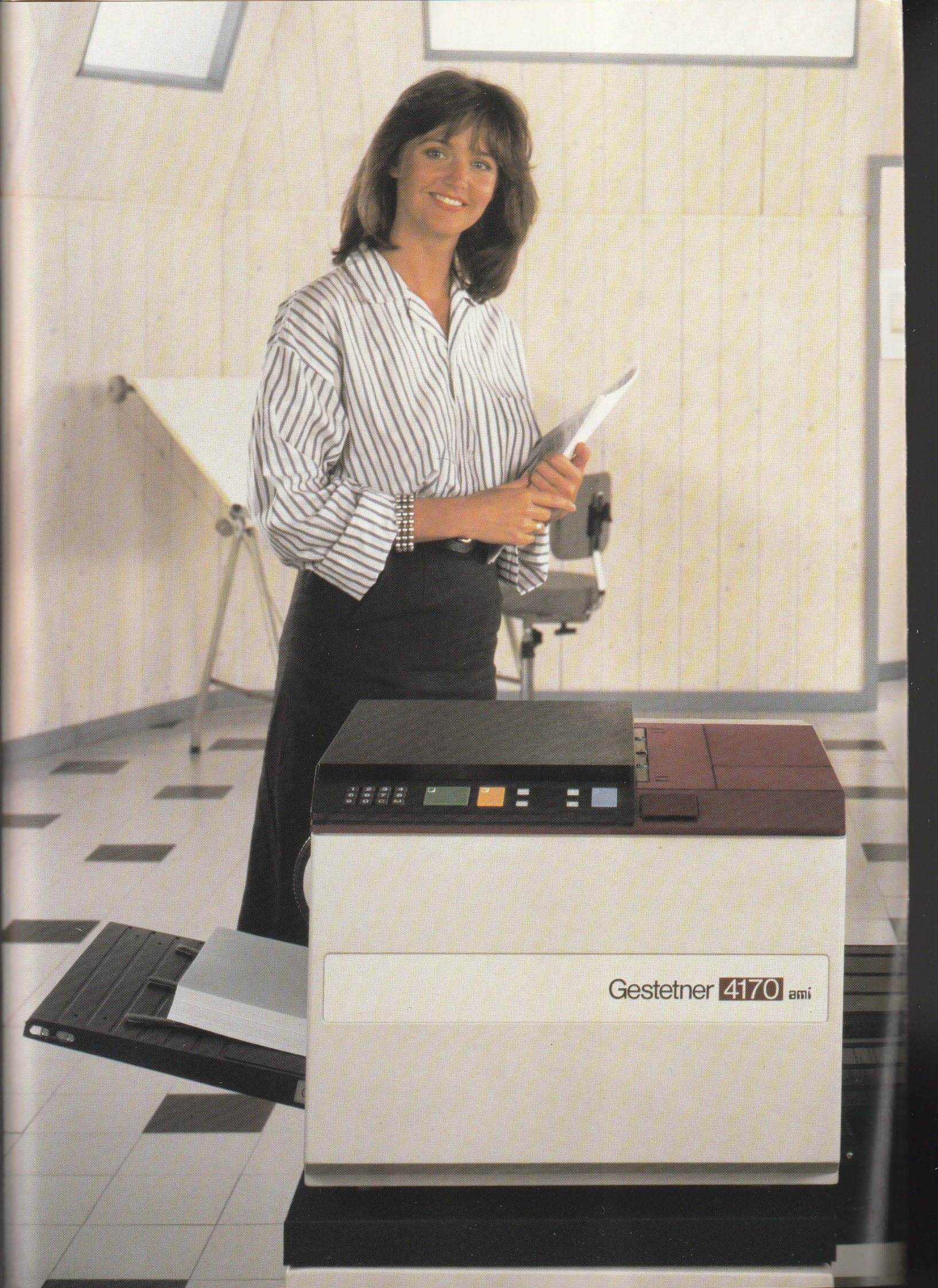
It's a fact that it is much more economical to do your longer run work on a 4170ami stencil duplicator than an office copier. For more than 50 copies or so there is no comparison. And savings increase with the more copies made. The 4170ami can achieve costs per copy less than a quarter of a copier's.



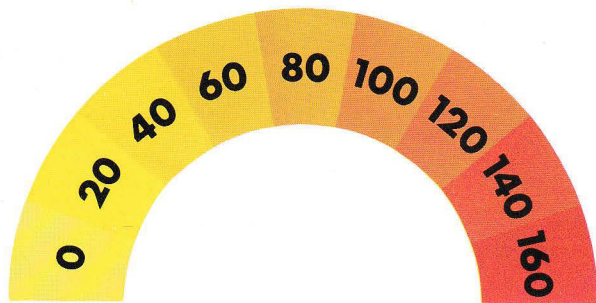
Reduced Running Costs ami

The 4170ami can work faster and is more convenient than the biggest copier/ duplicators and indeed some offset printing machines at a fraction of the initial investment. When copying in volumes, running costs are marginal compared to the average office photocopier.



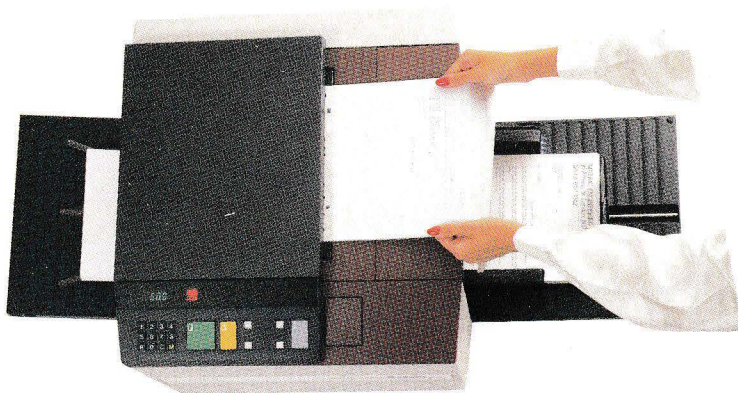


Gestetner **4170** xerox



4170 *ami* Speed And Command

It outruns the fastest copier on production speed by about three times. The 4170 *ami* can copy at 160 sheets per minute and there's no warm-up time. A batch of 500 copies will be finished and stacked in just over three minutes from the push of the operations start button. There is total electronic control from the panel which shows a fluorescent display to record copy count, running speed and the memory recall. A special command enables the Gestetner technician to give the machine a thorough check-up in a matter of minutes.



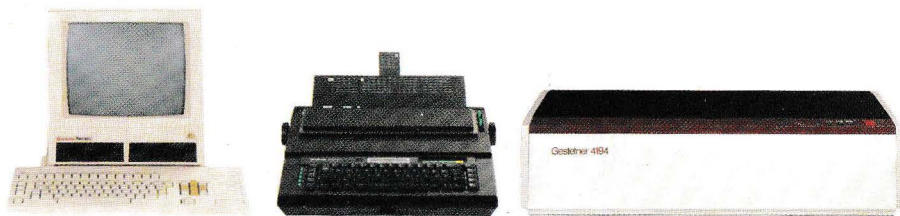
4170 *ami* Non-Stop Copying And Duplicating

The machine can be pre-programmed so that when a different number of copies is needed from the next original they will be produced in one uninterrupted run. The secret lies in the forward memory button 'P' (for Programme/Memory). Press it, enter quantity, fix the next stencil and 4170 *ami* does the rest.



4170 *ami* Time Saving Diagnostics

Flashing displays alert the operator to exactly what's going on. For example, you can tell at a glance if the paper supply is exhausted, another tube of ink is needed or whether the paper path should be checked. Operators can spend more time being productive with a 4170 *ami* in the office.



4170 **ami** Within The Electronic Office

All modern electronic office equipment can be used to support the 4170 **ami**. It is the perfect partner for any typewriter, word processor or computer printer because stencils can be taken straight off them and popped onto the duplicator. Just like printing an original for a photocopier to copy. Linking an electronic scanner to the 4170 **ami** gives unparalleled flexibility for top quality reproduction of most types of illustrative and graphic work as well as text.



4170 **ami** New Inking Technology Means All-Paper Use

A new ink has been formulated for use in the 4170 **ami** and it comes in specially designed tubes. **ami** ink works perfectly giving optimum and consistent print quality at all temperatures in all levels of humidity. It is so formulated that a very wide range of different weights and grades of paper can be used on the system.

4170 **ami** Guaranteed Reliability

The most remarkable feature on the 4170 **ami** is the one you can't see – The Gestetner Sales Service and Supplies Support Programme. Once a 4170 **ami** user you immediately benefit from the Gestetner experience; the technical know-how and service gained from over 100 years of office equipment manufacture.

Gestetner Do It In Wellingborough

Unlike many other British manufacturers of office equipment, Gestetner still make their own machines entirely in the UK using a British workforce. A large new factory has been built in Wellingborough; it is there that the **ami** has gone through its bench testing phases and where the 4170 duplicators are now made. The Wellingborough site is fitted out with all that's best in modern materials and automated manufacturing methods to build a variety of Gestetner office equipment.

Specification

Model Type: Electrically operated, variable speed, heavy duty stencil duplicator. Major operator functions electronically controlled by touch button.

Feed: Primary and secondary feed for ISO 'A' standard registration. Primary feed pressure adjustable for different paper weights and finishes. Secondary feed has limited angular movement for misaligned copy. Print position adjustable vertically over 63mm (2.5in), laterally 11mm (0.43in).

Feedboard: Capacity: 55mm (approx 1 ream 80g/m²). Adjustable side guides, 'sawtooth' scale provided for correct paper positioning.

Master Loading: Fully automatic. Initial master positioned on two locating pins and taken into machine by touching PRINT or PROOF keys. Subsequent master positioned and loaded automatically under electronic control.

Master Ejection: Fully automatic. Used masters ejected into disposable cassette. Ejection electronically programmed once subsequent master positioned. If required,

masters can also be ejected by user touching two specific buttons – a safety feature.

Delivery: Adjustable controlled delivery unit with movable back and side fences; incorporates drive-out wheels, paper bail, jogging action for neat copy stacking.

Inking: Fully automatic system. No separate ink controls. Warning lamp for 'Ink Empty'.

Speed: Electronically variable between 35 and 160 cpm in 5 cpm increments.

Safety features: Interlocking and secondary covers. Latter also permits cylinder inching.

Image area: Up to 360mm × 212mm (14 1/4in × 8 3/8in).

Paper sizes: Minimum 76mm × 127mm (3in × 5in). Maximum 276mm × 396mm (10 7/8in × 15 1/2in).

Paper weights: Minimum 42g/m². Maximum 187g/m².

Dimensions: Length: closed 506mm (20in), open 1080mm (42 1/2in). Width: 533mm (21in). Height: 389mm (15 1/4in).

Weight: 40kg (88lb).

Power: High voltage (200-240v), Low voltage (90-115v)-50/60Hz.

Counter: Electronic 4 digit fluorescent display. Controls motor/feed shut-off. Simultaneously programmable for copy count required from first and second masters in sequence. Displays total copy count, copies made, 'programmed' copy count, running speed; flashing numerals indicate interrupted run. Touch button numeric keypad also includes Cancel and Memory. Diagnostics mode provided for technician use.

Operator diagnostics: Displays inform user of machine condition: memory programmed, eject cassette full, ink tube empty, feedboard lowered/paper supply exhausted, top cover open/loader malfunction, check paper path, cylinder reset.

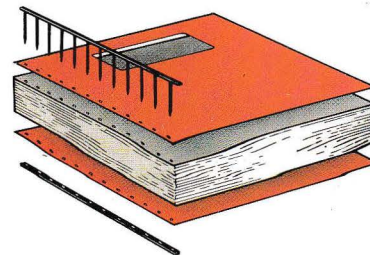
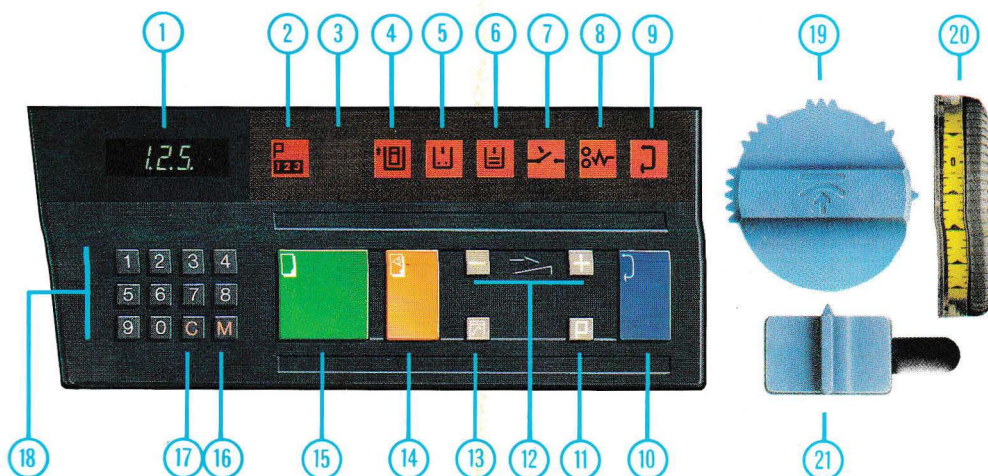
Optional extra: Cabinet.

Gestetner 4170ami Controls

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|---|---|
| 1. Copy count/speed readout. | 11. Programme Memory/recall. |
| 2. Memory programmed. | 12. Speed decrease/increase. |
| 3. Blank. | 13. Master eject. Press with Programme key. |
| 4. Eject cassette full. | 14. Proof. |
| 5. Ink tube empty. | 15. Print/interrupt. |
| 6. Paper supply exhausted/feedboard down. | 16. Copy count recall. (Memory) |
| 7. Top cover open/check master load. | 17. Cancel copy count. |
| 8. Check paper path. | 18. Counter. |
| 9. Cylinders require resetting. (Also ink tube empty.) Press Reset key. | 19. Paper weight adjustment. |
| 10. Reset. | 20. Vertical print position adjustment. |
| | 21. Angular print position adjustment. |

Gestetner Velo-Bind

Here's the ideal complement to your 4170 – the unique Gestetner Velo-Bind. It's a fast, convenient and totally secure binding system designed to help you add a distinctive professional edge to your copied documents. Whether you've just a few sheets or several hundred in a weighty volume, you can bind them simply and securely with Velo-Bind. And, according to the required level of presentation, there's an attractive selection of covering materials at your disposal – from protective clear plastic right up to authoritative hard bound book covers. Ask to see the Velo-Bind range in action.



Get all the facts from...

Gestetner

We reserve the right to make amendments to the technical specification of this equipment without prior notice.

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