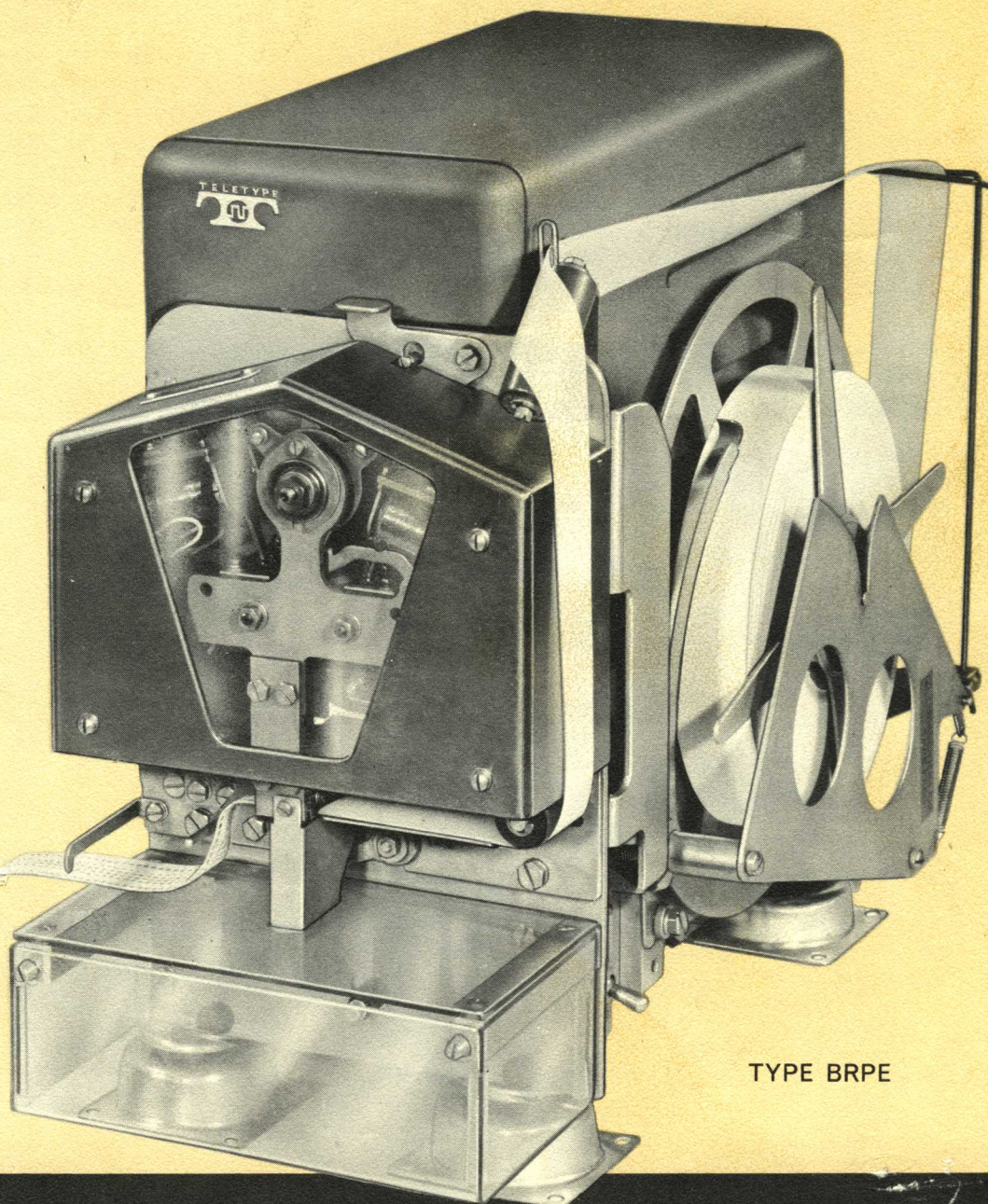# High-Speed · Parallel-Wire
Tape Punch

- Receives high-speed communications over conventional telephone channels

- Records high-speed output of computers and business machines

- Produces master tape by combining information from various sources

TYPE BRPE

Available in two models—

- One perforates 11/16-inch tape with a 5 level code
- The other adjusts to perforate 6, 7 or 8 level codes in one-inch tape

TELETYPE

Offers Flexibility in Communications

One of Teletype Corporation's most flexible pieces of equipment is the BRPE high-speed tape punch. Its function is to record information in paper tape at a speed compatible with modern message and data communications systems.

The new parallel-wire tape punch operates at 110 characters per second. Signals may be deserialized by Teletype electronic equipment. With these facilities, and additional terminal equipment, the BRPE can be used for high-speed communications over conventional telephone channels. This punch set is capable of interoperating with transistorized or vacuum tube circuits.

The new punch also serves as a high-speed output device when interconnected with computers and business machines. Punched tape data produced at high speed by the BRPE can be relayed at high speed or by standard speed equipment. The BRPE gathers information from various sources and places it on one master tape for transmission to other offices or to supplementary equipment.

The BRPE receives information from external units as combinations of electrical code pulses. These pulses are translated into mechanical motions that perforate paper tape with the corresponding combinations of the code. Feed holes are automatically punched into the tape with each code combination. High-carbon steel punch pins assure positive tape perforation and long pin life.

External control circuits are actuated by a "milli-second" pulse generator which has a timing cycle that is adjustable throughout 360 degrees. This synchronizing pulse provides "clockwork-precision" timing to trigger intelligence from associated equipment.
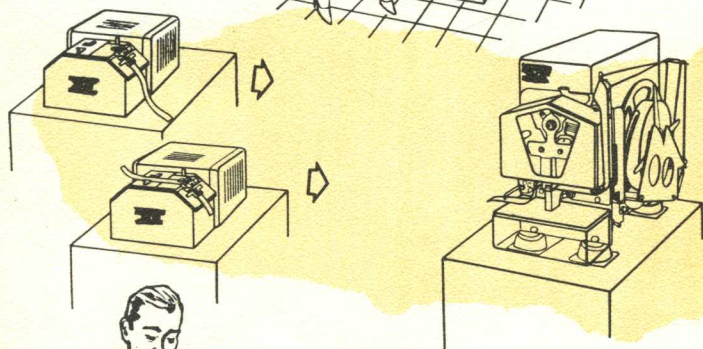
When a continuous ribbon of blank tape is desired, such as at the end of a message, a handy manual feed-out lever is provided.
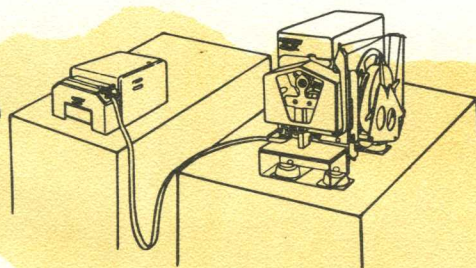
APPLICATIONS

HIGH-SPEED TAPE-TO-TAPE SYSTEMS

The BRPE tape punch is used at the receiving terminals of high-speed tape-to-tape systems. Data can be transmitted between distant points over conventional telephone channels equipped with external storage and conversion facilities. The set can interoperate with transistorized or vacuum tube external circuits.

COMBINES DATA

Information gathered from various sources can be placed on one master tape for transmission to other points. The BRPE's tape can be used to transmit data immediately or stored for use at a later date.

EASILY ADAPTABLE OUTPUT TAPE

The BRPE's high speed output tape can be used in relaying messages on standard speed equipment, such as a Teletype Model 28 Tape Reader or Automatic Send-Receive Set. The punched tape also can be used repeatedly, saving time and manual typing tasks.

Tape Punch

Additional Conveniences at No Extra Cost

A self-adjusting brake mechanism provides positive control for the rapid starting and stopping movements of the tape reel.

A set of low tape contacts is included which may be connected to an external, audible or visual alarm, to give warning when the tape roll becomes low.

Quick, clean-cut tape detachment is assured at the end of a message by means of a tape cutter.

The BRPE punch produces fully perforated tape and is available in two models, one of which punches 11/16-inch tape with a 5 level code, and the other adjustable to perforate 6, 7, or 8 code levels in one-inch tape.

The set is driven by a heavy-duty, 115 volt, synchronous motor unit equipped with an automatic thermal "sentry" switch which provides protection against overload.

The all-steel cover protects the set from harmful dust, reduces noise, and is easily removed for quick access to component parts for lubrication.
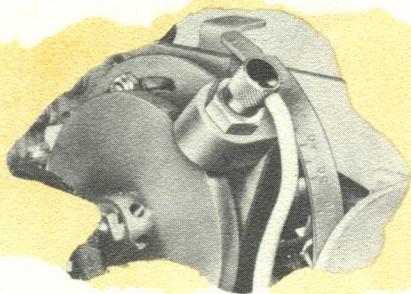
The entire set measures 12 inches high, 8 inches wide, 16½ inches deep, and weighs 28 lbs.

Resilient rubber motor mounts and four "floating" rubber feet reduce noise and absorb vibration, minimizing maintenance and down-time costs.

Whether your operation is intraoffice or cross-country, the BRPE tape punch can be counted on to give continuous, dependable performance in your communications system with speed and accuracy.
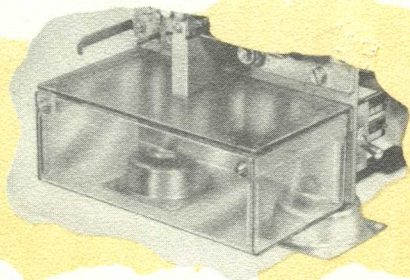
Get in touch with Teletype Corporation today for more information on how the new BRPE punch can help fill the needs of your data and message communications system. Address and phone numbers are listed on page four of this brochure.
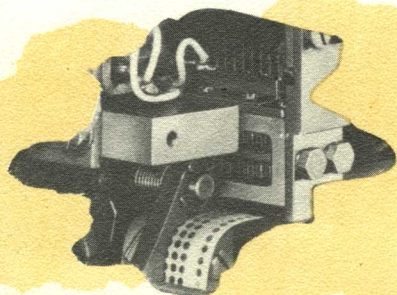
SPECIAL FEATURES

"SYNCHRO-PULSE" GENERATOR

Pulse generator's timing cycle is adjustable through a full 360 degrees. Provides accurate timing to trigger intelligence from associated equipment.

"CLEAR-VIEW" CHAD CONTAINER

Transparent chad container allows operator to see at a glance when it is full, and is emptied quickly and easily.

RUGGED PUNCH ASSEMBLY

Tape punch pins are of high-carbon steel for long life and positive tape perforation. Pins are guided smoothly and accurately in precision-cast tape punch block.

The CX—Mate to the BRPE

The ideal companion for the BRPE tape punch is Teletype Corporation's high-speed tape reader—the CX.

Operating at 105 characters per second, this precision-built reader transmits parallel-wire signals to message and data communications systems.

The CX is used at the transmitting terminals of high-speed, tape-to-tape systems. Data processed in these systems is sent to the BRPE via conventional telephone channels equipped with storage and conversion facilities.

Data punched in either fully perforated or chadless tape can be transmitted by the tape reader at high-speed.

The CX is equipped with a synchronizing pulse generator, similar to that of the BRPE punch. It provides accurate timing to control associated equipment. The CX is also equipped with a pair of auxiliary contacts for controlling electronic register elements, such as computers, buffer storage units and high-speed business machines.

A weight of only 12 lbs. and dimensions of 5 inches high, 6 inches wide, and 11 inches deep make the CX adaptable to a wide range of installations.

Other features of the CX tape reader are:

- Tape insertion or tape backup without lifting tape lid.
- Reader will pause if tape becomes taut.
- Accommodates tape from 11/16 to one inch wide.
- Reader stops automatically at end of tape.
- Reads 5, 6, 7, or 8 level codes.
- Quiet, long wearing nylon drive gear.
- Vibration-absorbent rubber motor and support mounts.
- Special motor baffle for heat dissipation.

TELETYPE CORPORATION'S STANDARD-SPEED EQUIPMENT

More than half a century of skillful engineering has made Teletype Corporation a leader in record communications. Presently, its extensive product line includes both high- and standard-speed equipment designed for today's fast growing message and data communications field. As a result Teletype manufactures, in addition to four major standard-speed lines, a full range of auxiliary equipment including line and message switching apparatus, tape winders, converters and various combination sets.
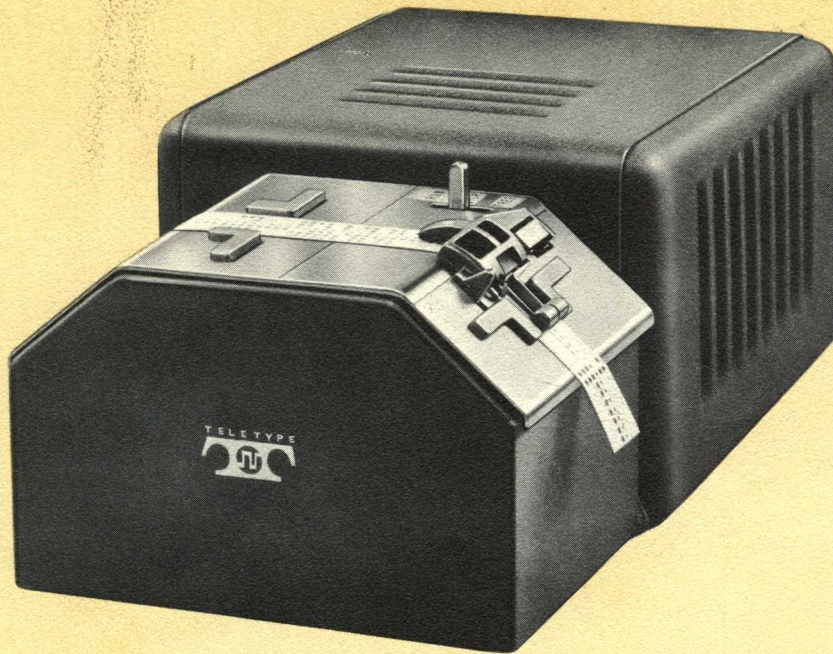
FOUR MAJOR LINES

Most of Teletype's standard-speed units are arranged into four product lines. These include send-receive and receive-only page printers, automatic send-receive sets, and a variety of tape readers and punches. The product groups are:

1—Model 28 Line of heavy-duty equipment for round-the-clock service in 5-level systems.
2—Model 32 Line of low-cost units for standard—duty service in 5-level applications.
3—Model 33 Line of low-cost apparatus for standard-duty service in systems built around an 8-level communication code.
4—Model 35 Line of heavy-duty equipment for standard to heavy 24-hour 8-level operation.

RELIABILITY AND LOW COST

Teletype makes its equipment for the Bell System and others who require the utmost reliability at the lowest possible cost. So find out how Teletype can help you solve your communications problems by writing to the address below. Experienced engineers are waiting to help you without obligation.