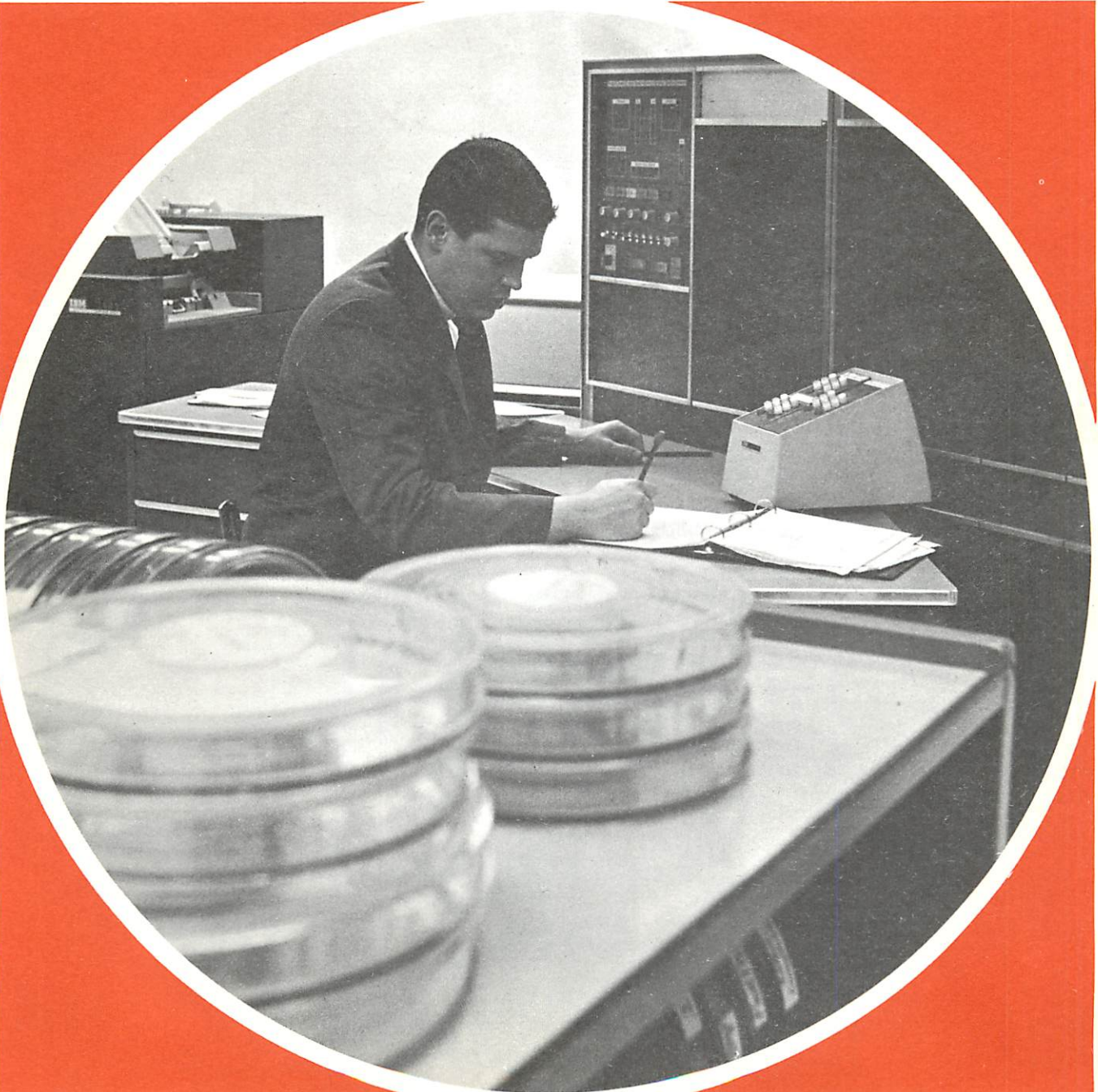


MEMOREX

MEMOREX TYPE 22 COMPUTER TAPE



MEMOREX HEAVY-DUTY TYPE 22 COMPUTER TAPE

Memorex heavy-duty Type 22 computer tape, certified to be error-free, is fully compatible for use with all major digital transports. All standard reel and hub configurations are available as is color-coding if desired.

DURABILITY

Long life and reliability are characteristic of all Memorex computer tapes. More than one million rolls of Type 22 tape have withstood the test of prolonged use on a variety of tape transports. The coating is resistant to abrasion and will not rupture and shed wear products, oxide particles, flakes of coating or backing material. All specifications for magnetic tape durability are either met or surpassed.

LOW DROPOUT INCIDENCE

Another measure of the tremendous acceptance of Memorex Type 22 computer tape is the infrequent occurrence of dropouts—either transient or permanent—after many thousands of passes. Dropout activity in computer tapes has been of major concern in data pro-

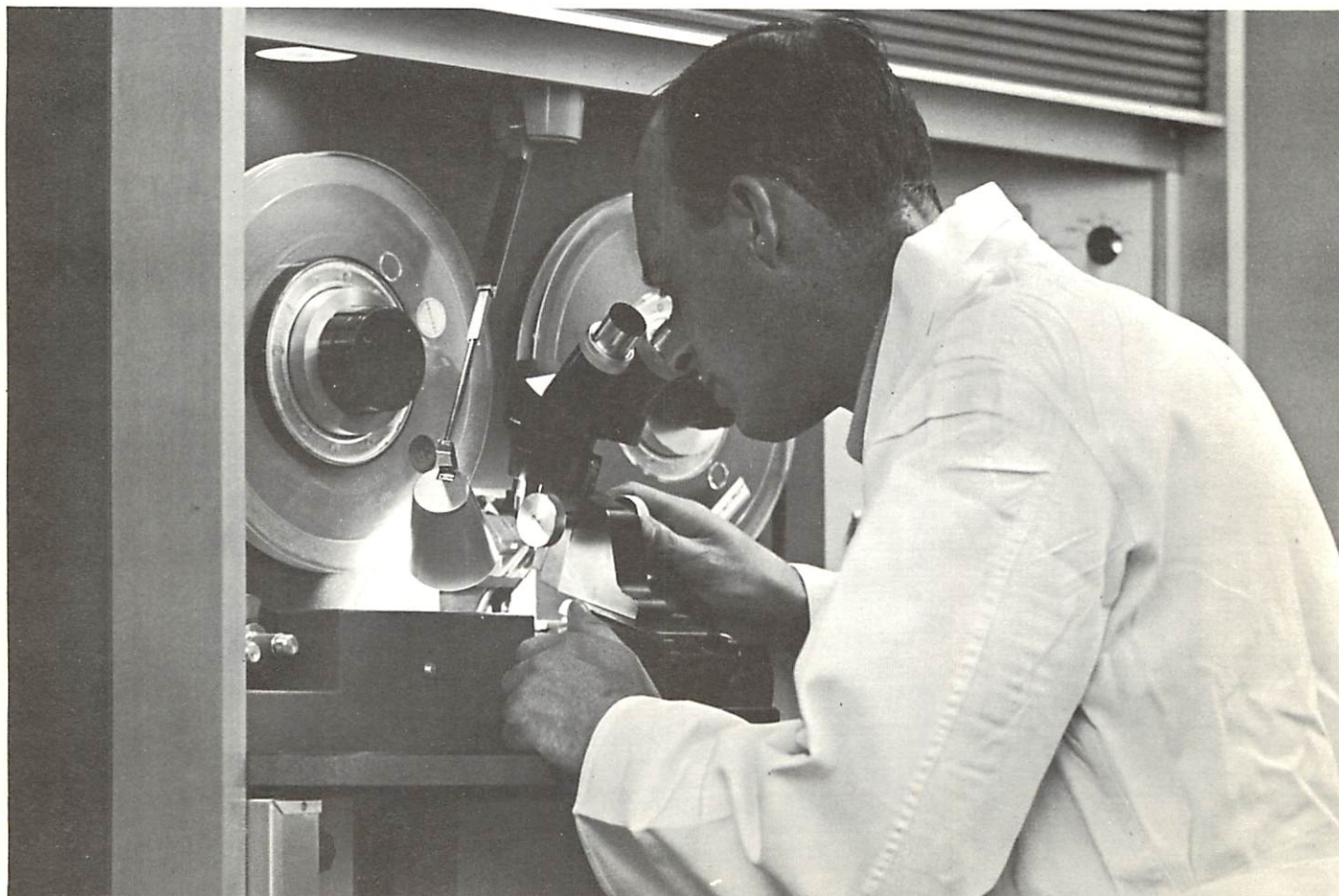
cessing. Memorex Type 22 has proven itself to be free of errors, pass after pass, reel after reel.

SPECIALLY TREATED SURFACE

Memorex computer tapes are further enhanced by a special process that provides an exceptionally smooth surface. Computer tape can be made without such treatment; but a better one can be made by including this additional step in the manufacturing process. A smoother surface means closer and more consistent contact between tape and heads with consequent improvements in resolution and uniformity.

CONDUCTIVE COATING

The coating applied to Memorex computer tapes has been made electrically conductive. The resistance per square has been reduced to a value which allows static charge to be dissipated with a more than adequate time constant. This is not merely a surface treatment, but is built into the coating, and the coating will remain conductive throughout its life.



MAGNETIC AND PHYSICAL PROPERTIES

DIMENSIONS

Coating thickness	400 microinches
Average total thickness	1.85 mils
Width	498 \pm 2 mils
"E" value	1/8 inch minimum

MAGNETIC PROPERTIES

Coercive force	265 oersteds
Residual flux	1.3 maxwell/1/2 inch

PERFORMANCE

Average pulse output	
at 556 bpi	\pm 5 percent
at 800 bpi	\pm 10 percent
at 1600 bpi/3200 fci	\pm 10 percent
Dynamic Skew at 800 bpi	less than 2 microseconds

Errors per roll —	
Type 22C,	
100% tested for 556 bpi	0

Type 22D,	
100% tested for 800 bpi	0

Type 22F,	
total-surface tested for 800 bpi	0

Type 22E,	
100% tested for 1600 bpi/3200 fci	0

PHYSICAL PROPERTIES

Coating surface roughness, centerline average	5 microinches
Layer-to-layer adhesion	none
Curvature	1/8 inch maximum/36 inch
Cupping	0.01 inch maximum/0.25 inch
Yield force	7 lbs. minimum
Creepocity	0.5 percent maximum
Compatibility	Not an inhibitor

RECOMMENDED ENVIRONMENT

Operating range	60°F to 90°F 20 percent RH to 80 percent RH (Maximum wet bulb of 78°F)
Storage range	40°F to 90°F 20 percent RH to 80 percent RH (Maximum wet bulb of 80°F) Unrecorded tapes may be stored at 120°F (Maximum wet bulb of 80°F)

TEST CONDITIONS

Magnetic Properties

All intrinsic values are measured using a cyclic magnetizing force having an amplitude of 1000 oersteds.

Performance of Types 22C and D is measured by recording on 32 mil tracks spaced 70 mils apart. Type 22E and F performance is measured by recording across the full width of the tape.

Average pulse output is given relative to that of Reference Tapes conforming with accepted industry standards. An error is defined as a reduction in output to less than 50 percent of average for 800 bpi (35 percent for 1600 bpi/3200 fci) or a

noise pulse (dc saturation condition) greater than 10 percent of average pulse output.

Dynamic skew, defined as the variation in time existing between two outside-track read signals during the writing process, is measured on an IBM 729 Model VI tape transport.

Physical Properties

Coating surface roughness is measured using a profilometer with a 0.1 mil diameter stylus loaded with 0.1 gram and the centerline average calculated in accordance with ASA B 46.1-1962.

Other physical properties are measured in accordance with IBM specifications.

Branch Sales / Engineering Offices are located at:

NORTHEAST

Boston
8 Merrimack Street
Lowell, Massachusetts 01852
(617) 454-1582

Hartford

Edwards Office Bldg., Vernon Circle
Vernon, Connecticut 06086
(203) 643-9619

★ New York

225 Rt. No. 46
Totowa, New Jersey 07512
(201) 256-4100

Syracuse

60 Oswego Street
Baldwinsville, New York 13027
(315) 458-6672

CENTRAL ATLANTIC

Philadelphia
6705 Park Avenue
Pennsauken, New Jersey 08110
(609) 662-3047

★ Washington

4905 Delray Avenue
Bethesda, Maryland 20014
(301) 654-2545

SOUTHERN

★ Atlanta

3033 Maple Drive, NE
Atlanta, Georgia 30305
(404) 231-4865

Birmingham

2101 Magnolia Avenue
Birmingham, Alabama 35205
(205) 252-1169

Dallas

8609 Northwest Plaza Dr.
Dallas, Texas 75225
(214) 363-8977

Houston

1614 South Post Oak Road
Houston, Texas 77027
(713) 622-1413

Orlando

5331 W. Colonial
Orlando, Florida 32808
(305) 295-2635

CENTRAL

★ Chicago

595 North York
Elmhurst, Illinois 60126
(312) 834-8922

Cleveland

25000 Euclid Ave.
Cleveland, Ohio 44117
(216) 732-8007

Dayton

333 W. First Street
Dayton, Ohio 45402
(513) 223-9552

Detroit

24638 Northwestern Hwy.
Southfield, Michigan 48075
(313) 353-2670

St. Louis

1750 S. Brentwood Blvd.
St. Louis, Missouri 63144
(314) 961-7070

WESTERN

Denver

601 Broadway Street, Suite 107
Denver, Colorado 80203
(303) 244-5473

★ Los Angeles

1045 Gayley Avenue
Los Angeles, California 90024
(213) 477-1018

San Francisco

1291 Fifth Avenue
Belmont, Calif. 94002
(415) 593-1691

Seattle

808 - 106th Avenue, N.E.,
Bellevue, Washington
(206) 454-0662

Hawaii

Computer Products (Pacific) Ltd.
P. O. Box 8615
Honolulu, Hawaii 96815

★ Regional Office

EUROPEAN OFFICES AND AFFILIATES ARE LOCATED AT:

Belgium

Memorex S.A.
Centre International Rogier
Bureau 725
Brussels 1, Belgium

Germany

Memorex GmbH
Norbertstrasse 3
Cologne 5, West Germany

England

Memorex Precision Products, Ltd.
St. Ives House, St. Ives Road
Maidenhead, Berkshire, England

Sweden

MEMOREX A. B.
Brunsvagen 4B
Enebyberg, Sweden

France

Memorex S.A.R.L.
5, Rue des Colonnnes du Trone
Paris 12, France

Norway

MEMOREX A. S.
Motzfeldgate 26
Oslo, Norway

MEMOREX CORPORATION / 1180 SHULMAN AVENUE / SANTA CLARA, CALIF. 95052 / (408) 248-3344

