

*with compliments ...*

## TO THE ENGINEER

Eternal research and experiment is the life-blood of science and the engineer—and it is on this foundation that they have established their irrevocable importance to the industrial and luxury life of our present-day civilisation.

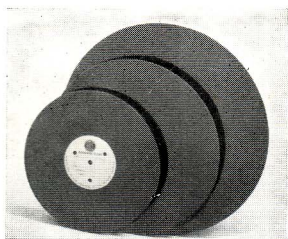
Australia, too, has played its part in this achievement, so that to-day the qualification “Made in Australia” represents the highest skill and craftsmanship in research, development and production. It is with this spirit that we offer you the products listed in the following pages.



**BYER INDUSTRIES PTY. LTD.**

8 DORCAS ST., STH. MELBOURNE, VICTORIA, AUSTRALIA

## RECORDING BLANKS



### USE:

Recording of sound on disc for instantaneous playback and for the production of matrices for pressed records.

Average life of I.P. Recordings, 200 playbacks.

### SIZES:

Instantaneous Playback: 8", 10", 12", 16".

Master Process: 11 $\frac{1}{4}$ " 13 $\frac{1}{2}$ ", 17 $\frac{1}{4}$ ".

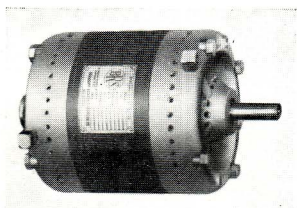
### TYPES:

Standard, Professional, Master Process.

### PACKING:

Sealed metal cans of 18 blanks—4 cans to crate

## SYNCHRO-SILENT ELECTRIC MOTORS



Synchronous and Non-Synchronous Types from 1/100th to 1/20th h.p. for horizontal or vertical mounting.

- 24-slot stator.
- Capacitor start and run.
- Squirrel-cage type rotor.
- End thrust for vertical mounting.
- Die-cast aluminium end bells with felt-packed, self-aligning phosphor bronze bearings.

## DISC RECORDERS



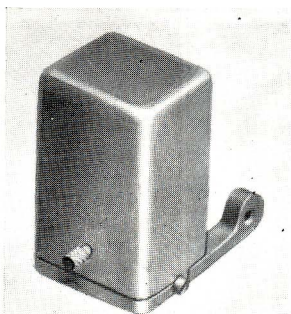
### R12 RECORDER AND PLAYBACK UNIT

Operates from 230 volts, 50 cycles supply and For the making of recordings up to 12" in diameter at 78 or 33 $\frac{1}{3}$  r.p.m.

Operates from 230 volts, 50 cycles, supply and may be used in conjunction with any good quality amplifier or radio set.

- Professional Recorders also available—further information on application.

## CUTTING HEAD—TYPE S-5

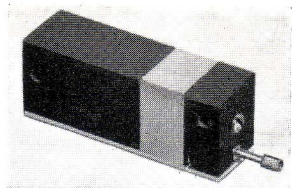


For recording high-quality sound on disc.

- Wide frequency response with freedom from peaks.
- Low distortion.
- Torsion bar armature suspension.
- Impedance: 2.3 ohms.
- Average input required: 100 mw.

Complete elimination of plastic damping media makes this cutter a rugged and foolproof instrument.

## PICK-UP CARTRIDGE



### TYPE MC-1

USE: Radio Broadcasting, etc.  
A moving coil unit of extremely rugged construction. Range: 30 to 8,000 cycles. Low harmonic content.

- Impedance:  $12\frac{1}{2}$  ohms.
- Output Level: -42 dbm.
- Distortion: 2% at 400 c.p.s.

## PICK-UP ARMS



### TYPE S-9

USE: Radio Broadcasting, etc.

- Turn-over head.
- Rugged construction.
- Arm length: 18".
- Bearings: Vertical—ball-race.  
Horizontal, pivot.

Designed for MC-1 or standard crystal cartridge. Attractively finished in grey enamel and chrome.

### TYPES S-21 AND S-31

USE: Radio Broadcasting, etc.

- Arm length: 12" and 10", to suit 16" and 12" turntables.
- Bearings: Vertical and horizontal—ball-race.

Designed for MC-1 or standard crystal cartridge. Finished in anodically treated polished aluminium or grey enamel.



## TRANSCRIPTION TURNTABLES

### TYPES E-12-D AND E-16-H

USE: Radio Broadcasting, etc.

- 12" and 16" dual speed.
- Finger-tip speed change.
- Synchro-silent motor.
- High starting torque.
- Easily-replaceable drive tyre.
- Complete freedom from vibration.

Attractively finished in anodically treated polished aluminium or grey enamel.



### TYPE T-19

- Heavy duty 16" dual speed.
- Eminently suited for recording use.
- Internal rim drive.
- Synchro-silent motor.
- Complete freedom from vibration.
- High synchronous torque at both speeds.
- Simple rotary speed selector.

Attractively finished in anodically treated polished aluminium or grey enamel.



# ACCESSORIES TO RECORDING

## ★ DISCOL:

A lubricant for use on recordings to increase playback life.

## ★ LABELLAC:

A modern adhesive for affixing labels to acetate blanks.

## ★ CUTTING STYLI:

Sapphire and stalla steel in straight and angular types. Lengths from  $\frac{1}{2}$ " to  $\frac{3}{4}$ ".

## ★ PLAYBACK NEEDLES:

Sapphire and metallic in straight and trailing types for standard and FFR Recordings.

## ★ TRANSFORMERS:

Multi-shielded for matching MC-1 pick-up to 200, 600 and 100,000 ohm lines. Types ATM-190, ATM-191, ATM-192.

## ★ IDLER BRACKET ASSEMBLY:

For "Presto" and similar Turntables.

Includes electro-chemically bonded rubber Idler wheels on hardened and ground shafts, together with mounting bracket. These parts have been standardised by us and replacement Idlers are available.

## NOTE:

Motorised products are normally stocked for 230-volt 50-cycle supply, but may be ordered for any other voltage or frequency required.



# BYER INDUSTRIES PROPRIETARY LIMITED

8 DORCAS ST., STH. MELBOURNE, VICTORIA, AUSTRALIA. TELEGRAPHIC: BYERIND. TEL.: MX 4238