

★**1150.** G.P. tape deck 15. $7\frac{1}{2}$ i/s. Three Papst motors with ext. rotors. Three heads. W and F: 0-14% at $7\frac{1}{2}$ i/s, 0-08% at 15 i/s. Spool capacity: 11½ in. Pause control and inching facility. Rewind: <1 min 45 sec for 2,400 ft. Weight: 26 lb. Price: £154 10s.



TAPE RECORDER DEVELOPMENTS LTD., 7 King George Avenue, Bushey, Herts. Tel: 01-950 2331.

TRD.1 Series. Four-speed mono or stereo tape decks. W and F 15 i/s 0-05%, $7\frac{1}{2}$ i/s 0-08%, $3\frac{3}{4}$ i/s 0-13%, $1\frac{7}{8}$ i/s 0-2%, $\frac{1}{8}$ i/s 0-35%. Mains operated. ¼- or ½-track. Accommodation for four Bogen heads. Drive motors: Papst hysteresis synchronous. Rewind motors: Papst R.O.T. Spool capacity: 3 in. cine to 10½ in. NAB. Four-digit tape position indicator. Silicon transistor tape pre-amplifier/oscillator unit available (see Tape Units section).

TRD.1/S. Specification as above. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{7}{8}$, $\frac{1}{8}$ i/s. Solenoid operation.

TRD.1/VR. Specification as above. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{7}{8}$, $\frac{1}{8}$ i/s. Mechanical operation. Variable speed spooling.

TRD.1/S/15. Specification as above. Speeds: 15, $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{7}{8}$ i/s. Solenoid operation.

TRD.1/VR/15. Specification as above. Speeds: 15, $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{7}{8}$ i/s. Mechanical operation. Variable speed spooling.

TRD.1/S/30. To special order only. Specification as above. Speeds: 30, 15, $7\frac{1}{2}$, $3\frac{3}{4}$, $\frac{1}{8}$ i/s. Solenoid operation.

TRD.1/S/15P. To special order only. Specification as above. As TRD.1/S/15 but for ½ in. tape.

TRD.1/VR/15P. To special order only. Specification as above. As TRD.1/VR/15 but for ½ in. tape.

Full specifications and prices of TRD decks and electronic units on request.

TAPE UNITS

AKAI. Pullin Photographic (Rank Organisation), P.O. Box 70, Great West Road, Brentford, Middlesex. Tel: 01-568 9222.

X-150D. Stereo tape unit with pre-amplifiers. ¼-track. Speeds: $1\frac{7}{8}$, $3\frac{3}{4}$ and $7\frac{1}{2}$ i/s, 15 i/s optional. Max. spool capacity: 7 in. W and F: $7\frac{1}{2}$ i/s 0-12%; $3\frac{3}{4}$ i/s 0-15%; $1\frac{7}{8}$ i/s 0-2%. H and N 50 dB. FR: $7\frac{1}{2}$ i/s 30 Hz-23 KHz ± 3 dB; $3\frac{3}{4}$ i/s 30 Hz-18 KHz ± 3 dB; $1\frac{7}{8}$ i/s 30 Hz-9 KHz ± 3 dB. Replay characteristics: NARTB. Level indicator: meter. Rewind time: 1,200 ft 90 sec. Inputs: microphone 0-5 mV; line 60 mV; DIN. Outputs: line, DIN, headphone. Transistorised. Motor: 2-speed hysteresis synchro. Tape deck: own. Dimensions: $13\frac{1}{2} \times 13\frac{1}{2} \times 9$ in. Weight: 30-8 lb. Pause. Digit. Monitoring by headphone. Crossfield head. Vertical or horizontal operation. Psn 100-240V. Price: £103 19s. 7d. (plus £26 0s. 5d. PT).

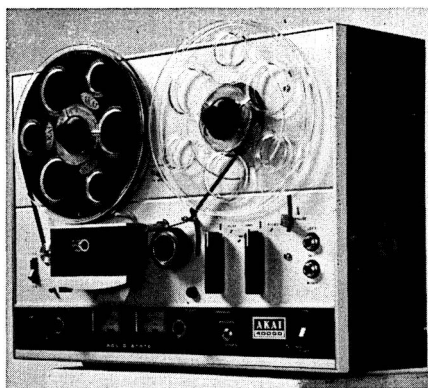
★**X-360D.** Professional stereo tape unit with pre-amplifiers. ¼-track. Speeds: $1\frac{7}{8}$, $3\frac{3}{4}$, $7\frac{1}{2}$ and 15 i/s. Max. spool capacity: 7 in. W and F: $7\frac{1}{2}$ i/s 0-04%; $3\frac{3}{4}$ i/s 0-07%; $1\frac{7}{8}$ i/s 0-15%. H and N 50 dB. FR: $7\frac{1}{2}$ i/s 30 Hz-23 KHz ± 1 dB; $3\frac{3}{4}$ i/s

30 Hz-18 KHz ± 3 dB; $1\frac{7}{8}$ i/s 40 Hz-11 KHz ± 3 dB. Replay characteristics: NARTB. Level indicator: two meters. Rewind time: 1,200 ft 75 sec. Inputs: microphone, more than 0-5 mV, 50 K; line, more than 50 mV; DIN, low 5 mV, high 50 mV. Outputs: line, DIN, headphone. Transistorised. Motors: one hysteresis synchronous 3-speed; two 6-pole eddy current, outside rotor. Tape deck: own. Dimensions: $17\frac{1}{2} \times 16 \times 10$ in. Weight: 55 lb. Superimposing. Position indicator: digit. Monitoring. Input mixing. Parallel track replay. Crossfield head. Auto reverse by timing clock. Comput-o-Matic recording. Warning light when heads need cleaning. Remote control. Tape cleaner. Headphone jack. Auto stop. Auto shut off. Magnetic brakes. 100-240V. 50 or 60 Hz. Price: £247 19s. 1d. (plus £62 0s. 11d. PT).

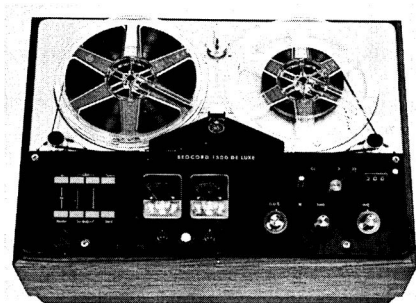
X-360DS. Professional stereo tape unit with pre-amplifiers. ¼-track. Speeds: $1\frac{7}{8}$, $3\frac{3}{4}$ and $7\frac{1}{2}$ i/s. Max spool capacity: 7 in. W and F: $7\frac{1}{2}$ i/s 0-04%; $3\frac{3}{4}$ i/s 0-07%; $1\frac{7}{8}$ i/s 0-15%. H and N 50 dB. FR: $7\frac{1}{2}$ i/s 30 Hz-23 KHz; $3\frac{3}{4}$ i/s 30-18 KHz; $1\frac{7}{8}$ i/s 30 Hz-9 KHz. Replay characteristics: NARTB. Level indicator: meter. Rewind



Akai X360-D



Akai 4000D



Beocord 1500 de luxe

time: 1,200 ft 75 sec. Inputs: microphone, 0.5 mV; line, 50 mV; DIN, 5 mV low, 50 mV high. Outlets: line, 1.23V; DIN, 0.4V; headphone. Transistorised. Motors: one 3-speed hysteresis synchronous; two 6-pole eddy current Tape deck: own. Dimensions: $17\frac{1}{2} \times 16 \times 10$ in. Weight: 55 lb. Superimpose. Position indicator: digit. Monitoring: A-B. Input mixing. Parallel track replay. Crossfield head. Magnetic brake. FM multiplex ready. Remote control. Tape cleaner. Psn 100-240V, 50 or 60 Hz. Price: £239 3s. 1d. (plus £59 16s. 11d. PT).

★**4000D.** Stereo tape unit with pre-amplifiers. $\frac{1}{4}$ -track. Speeds: $3\frac{3}{4}$ and $7\frac{1}{2}$ i/s. Max. spool capacity: 7 in. W and F: $7\frac{1}{2}$ i/s 0.15%; $3\frac{3}{4}$ i/s 0.2%; H and N 50 dB. FR: $7\frac{1}{2}$ i/s 30 Hz-22 KHz ± 3 dB; $3\frac{3}{4}$ i/s 30 Hz-16 KHz ± 3 dB. Replay characteristics: NARTB. Level indicator: Meter. Rewind time: 1,200 ft 150 sec. Inputs: microphone, 0.5 mV, 50 K; line, 50 mV; DIN, 50 mV. Outlets: line, DIN, headphone. Transistorised. Induction motor. Tape deck: own. Dimensions: $12\frac{3}{8} \times 15\frac{7}{8} \times 7\frac{1}{2}$ in. Weight: 25.3 lb. Pause. Position indicator: digit. Monitoring: A-B. Parallel track replay. One micron gap recording head. Sound on sound. Auto stop. Auto shut off. Tape cleaner. Vertical or horizontal operation. Psn 100-240V. Price: £79 15s. 8d. (plus £19 19s. 4d. PT).

X-330D. Stereo tape unit with pre-amplifiers. $\frac{1}{4}$ -track. Speeds: $1\frac{1}{8}$, $3\frac{3}{4}$ and $7\frac{1}{2}$ i/s. Max spool capacity: $10\frac{1}{2}$ in. W and F: $7\frac{1}{2}$ i/s 0.04%; $3\frac{3}{4}$ i/s 0.07%; $1\frac{1}{8}$ i/s 0.15%. H and N 50 dB. FR: $7\frac{1}{2}$ i/s 30 Hz-25 KHz ± 3 dB; $3\frac{3}{4}$ i/s 30 Hz-18 KHz ± 3 dB; $1\frac{1}{8}$ i/s 30 Hz-9 KHz ± 3 dB; Replay characteristics: NARTB. Level indicator: meter. Rewind time: 1,200 ft 75 sec. Inputs: microphone, 0.5 mV; line, 50 mV; DIN, 10 mV. Outlets: line, DIN, headphone. Motors: one hysteresis synchro 3-speed, and two 6-pole eddy current. Tape deck: own. Superimpose. Position indicator: digital, programme. Parallel track replay. Auto continuous reverse by programme. Sensing tape reverse. Magnetic brake auto stop. Auto shut off. Remote control. Price: £234 7s. 1d. (Plus £58 12s. 11d. PT).



BANG & OLUFSEN U.K. DIVISION. Eastbrook Road. Gloucester. Tel: Gloucester 21591.

★**Beocord 1500.** Stereo tape unit. $\frac{1}{2}$ track record, $\frac{1}{2}$ track and $\frac{1}{4}$ track replay. Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$, $1\frac{1}{8}$ i/s. FR at $7\frac{1}{2}$ i/s. 40 Hz-16 KHz ± 2 dB. CCIR replay char. VU meters. Fast rewind 170 sec./1800 ft. Inputs (switched sensitivity): 3 mV