

# ULTRA

## 40 kHz

### HAND-HELD AND PROBE SYSTEMS

The 40 kHz hand-held and probe units are specifically designed for applications where maximum control or relatively low static forces are desirable. They are ideally suited for short production runs requiring spot welding, inserting, or staking of small or delicate parts, and the cutting and seaming of thin materials. Hand-held (Convert-a-probe) units allow assembly of parts that can't be fixtured on a conventional press or thruster. Probe systems are machine-mountable and adapt readily to customer actuator or automation installations. These mobile, versatile systems offer the advantages of ultrasonic assembly technology for a low-cost investment.



**MODEL 40P700C 700 Watt 40 kHz  
Convert-a-Probe Assembly System**

### 40 kHz Hand-Held Probe Specifications

MODEL NO.	DUTY	BNC CONNECTOR	CASE DIAMETER*	CASE LENGTH**	CABLE LENGTH	WEIGHT	FINISH
41A33	Standard	Rear	2.00"/50.8mm	5.28"/134mm	8.0'/2438mm	3.0 lbs/1.4Kg	Aluminum

\* Excludes side mount ultrasound connector

‡ Excludes rear mount ultrasound connector

System Model Numbers	Description	Probe
40P350C	350 Watt 40 kHz Hand-held System	41A33
40P350CT	350 Watt 40 kHz Hand-held with Digital Timer System	41A33
40P700C	700 Watt 40 kHz Hand-held System	41A33
40P700CT	700 Watt 40 kHz Hand-held with Digital Timer System	41A33

# Probe Systems

The compact size of probe systems makes them well-suited for use in multi-headed or ganged systems. Applications for probe systems range from liquid processing to continuous duty slitting, stitching, and/or sealing of fabrics and films.



MODEL 40P350 350 Watt 40 kHz Probe System  
with 41C28 Probe

## 40 kHz Probe Specifications

MODEL NO.	DUTY	BNC CONNECTOR	CASE DIAMETER	CASE LENGTH	CABLE LENGTH	WEIGHT	FINISH
41C28	Standard	Side	2.00"/50.8mm	4.28"/109mm	8.0'/2438mm	3.0 lbs/1.4Kg	Aluminum

### System

Model Numbers	Description	Probe
40P350T	350 Watt 40 kHz Probe System	41C28
40P350	350 Watt 40 kHz Probe System — Continuous Firing	41C28
40P700T	700 Watt 40 kHz Probe System	41C28
40P700	700 Watt 40 kHz Probe System — Continuous Firing	41C28

## 40 kHz Generator Specifications

MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT	INPUT POWER	CURRENT DRAW*
40A351/350 Watts	5.66"/145mm	14.06"/358mm	15.25"/387mm	25 lbs/11.4Kg	120VAC, 50/60 Hz	6 Amps
40A700/700 Watts	5.66"/145mm	14.06"/358mm	15.25"/387mm	25 lbs/11.4Kg	120VAC, 50/60 Hz	13 Amps
43A175 Digital Timer	5.66"/145mm	4.25"/108mm	13.50"/343mm	8 lbs/3.6Kg	N/A	N/A

Generators with digital timers will be wider and heavier than standard generators. See the 43A175 Digital Timer specifications for characteristics.  
\* Current draw at full-rated power.

Note: All specifications are subject to change without notice. Please consult Dukane Corporation for any updated information.