

OPERATING INSTRUCTIONS

39-1150

Jolting Table

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<p><i>In the interests of improving and updating its equipment, ELE reserves the right to alter specifications to equipment at any time</i> ELE International 2008 ©</p>		

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1 Introduction

- 1.1 The Jolting Table consists of a table connected by two tubular arms to a pivot. In operation, the table is lifted from its rest position by means of a cam then allowed to fall freely onto a stop. The cam is driven by an electric motor via a reduction gearbox. The table has two clamps which secure the mould and hopper to the table to prevent movement during jolting. The number of jolts can be preset by a counter, and the machine will automatically stop at the end of the prescribed period.
- 1.2 Earlier models have the controls mounted on the front panel. Later models have the controls mounted in a separate wall mounted remote control box.

2 Specification

Motor rating	0.24 kW (1/3 hp)
Cam shaft RPM	60
Table lift	15 ± 0.3 mm
Overall dimensions with swing bolts raised	(height x width x depth) 340 x 400 x 1045 mm
Weight	90 kg

3 Installation

- 3.1 The machine should be mounted on a concrete block in accordance with the relevant standard. Three 14 mm diameter holes are provided in the base of the machine for securing purposes. Access to the foremost of these holes will be made easier if the front cover panel is first removed, refer to figure 3. The remote control box, figure 4 (later models) should be wall mounted.
- 3.2 Electrical supply

Safety

Whilst the test is in operation do not remove any covers or attempt to adjust any part of the machine.

Ensure all moving parts are thoroughly secured before attempting any maintenance.

Ensure all appropriate measures are taken to protect the operator from excessive noise.

See noise certificate (when supplied).

Electrical safety

Warning: Before removing any covers or performing maintenance repair and service, isolate from electrical supply by removing mains plug. Where mains supply is required during these activities, only competent persons should perform the work.

Check that the power supply is compatible with the requirements stated on the label and connect in accordance with IEE regulations or to local requirements.

Local isolation of machine required.

It is advised that this machine be connected via a residual current device (not supplied), and it should operate if earth leakage current exceeds 0.03 amps.

The power cable is coded as follows:

Brown wire	L	Live or Power
Blue wire	N	Neutral
Green/Yellow wire	E	Earth or Ground

Note: exercise extreme caution when using the machine with wet hands. Dry hands before operating machine.

Portable Appliance Tests (PAT)

All ELE designed products are tested for electrical safety prior to sale.

An electrical safety test label is fitted, (usually adjacent to the mains input socket).

Should no label be found, please contact ELE Service Department quoting the serial number of the equipment.

Organisations have an obligation to ensure equipment is maintained and is safe for use. Regular PAT testing is one means of ensuring equipment continues to be electrically safe.

Important: do not connect PAT leads to sensitive components such as PCBs, control switches and the like.

DO NOT FLASH TEST ELECTRONIC EQUIPMENT.

If in doubt as to the most suitable connection point (which will usually be an earth stud or an external earth connection) contact ELE Service Department for assistance.

4 Operation

4.1 Attaching the mould and hopper, figures 1 and 2.

Make sure that the top face of the jolting table and the lower face of the mould base plate are clean.

Place the base plate (1), mould (2) and hopper (3) on the table. Ensure that the clamping slots in the hopper are in line with the swing bolts on the table.

The end pieces of the mould (6) and the side lengths (7) are marked A, B, C and D and fit together accordingly.

Raise the swing bolts into the vertical position and into the hopper slots. Ensure that the washers are between the wing nuts and the hopper, then fully tighten the wing nuts.

4.2 Setting the blow counter

4.2.1 Omron H7CX

The preset value (Green display) is set by pressing the up keys (numbered 1 – 6).

The reset key (RST) returns the count value (Red display) to Zero.

4.2.2 Omron H7CL

The blow counter keyboard provides nine push-keys for programming and operating the counter. Eight of the keys on the right hand side are marked with either up or down arrows for incrementing the set value. The ninth key on the extreme left, labelled RST is used for resetting the preset value.

Each of the eight digit-increment keys is associated with the digit immediately above it in the four-digit subsidiary display.

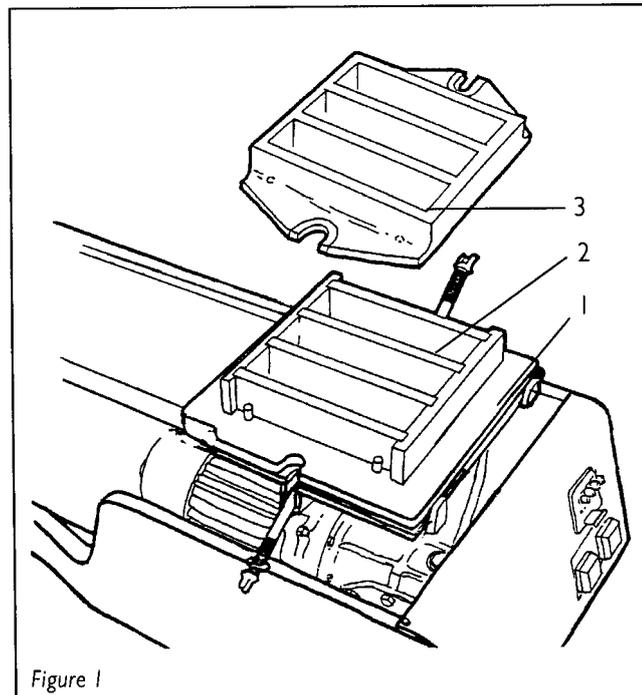


Figure 1

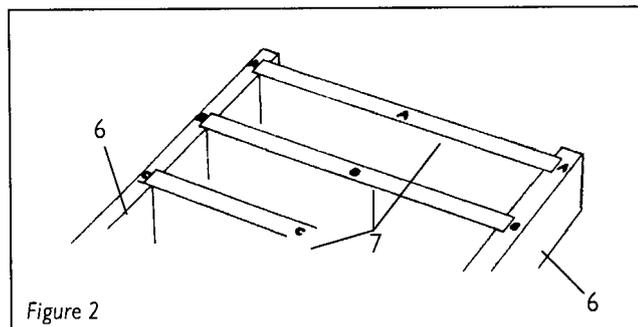


Figure 2



Digit increment keys

This push-key allows the user to set the value of the digit immediately above it in the subsidiary display. When the top push-key is operated repetitively the digit being set will step upwards in value from 0 – 9. The lower key will step downwards in value from 9 – 0.

Reset

This push-key allows the user to reset the instrument's main display and output relay.

Note: the counter is protected by a 50 mA type 'T' fuse on 220-240V models and a 100 mA type 'T' fuse on 110-120V models.

4.3 Running the machine.

To start the machine, press the green start button. The machine will then operate for the preset number of jolts then stop automatically.

If it is required to run the machine again for the same number of jolts, press the reset button then the start button.

Should it be necessary to alter the number of jolts refer to section 4.2.

Pressing the red stop button will stop the machine regardless of the fact the counter has not reached the preset value or zero (depending on counter). If the machine is started again without resetting the counter, it will operate for the remaining number of jolts for which it was previously set.

5 Maintenance

5.1 Machines fitted with oil filled gearbox.

At six monthly intervals check the gearbox oil level.

5.2 Machines fitted with grease packed gearbox.

The gearbox is packed with grease for life and requires no further maintenance.

Table pivot and cam follower bearings are sealed and should not require any attention for a considerable period.

When not in use a thin smear of oil on the top surface of the table will help prevent corrosion taking place.

6 Accessories and Spare Parts.

39-1100 Three Gang Mould, for 40 x 40 x 160 mm mortar prisms.

39-1120 Feeding Hopper, for 39-1100 mould.

39-1130 Scraper, used for spreading and levelling mortar in mould.

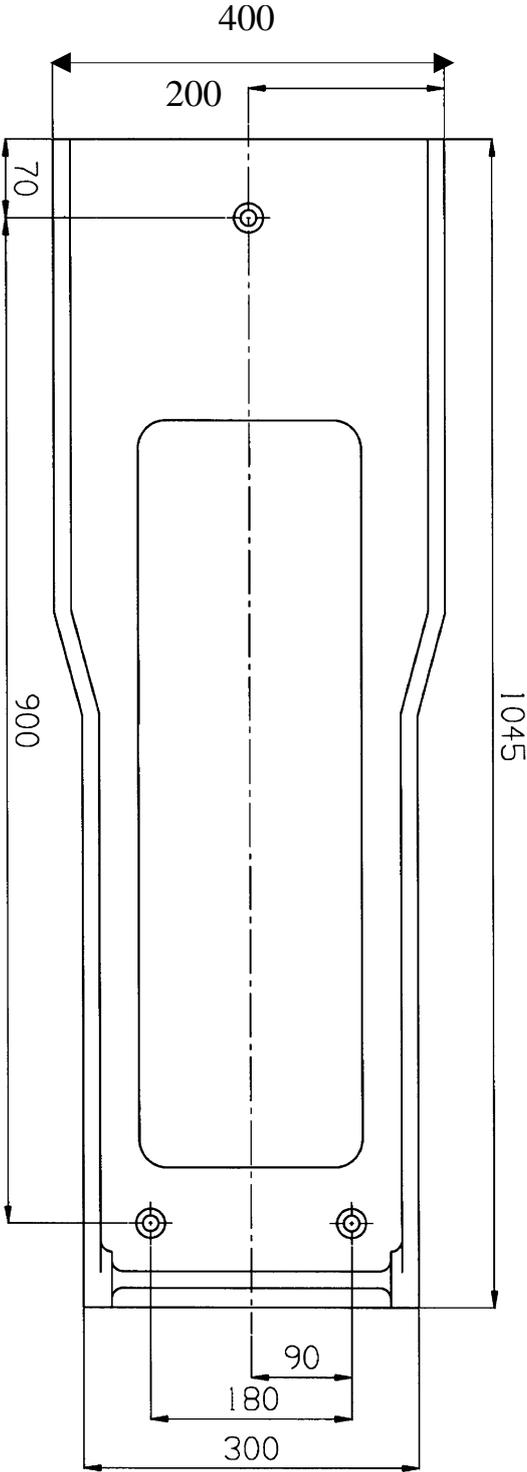


Figure 3 – View of machine base footprint showing the 14 mm diameter securing holes.

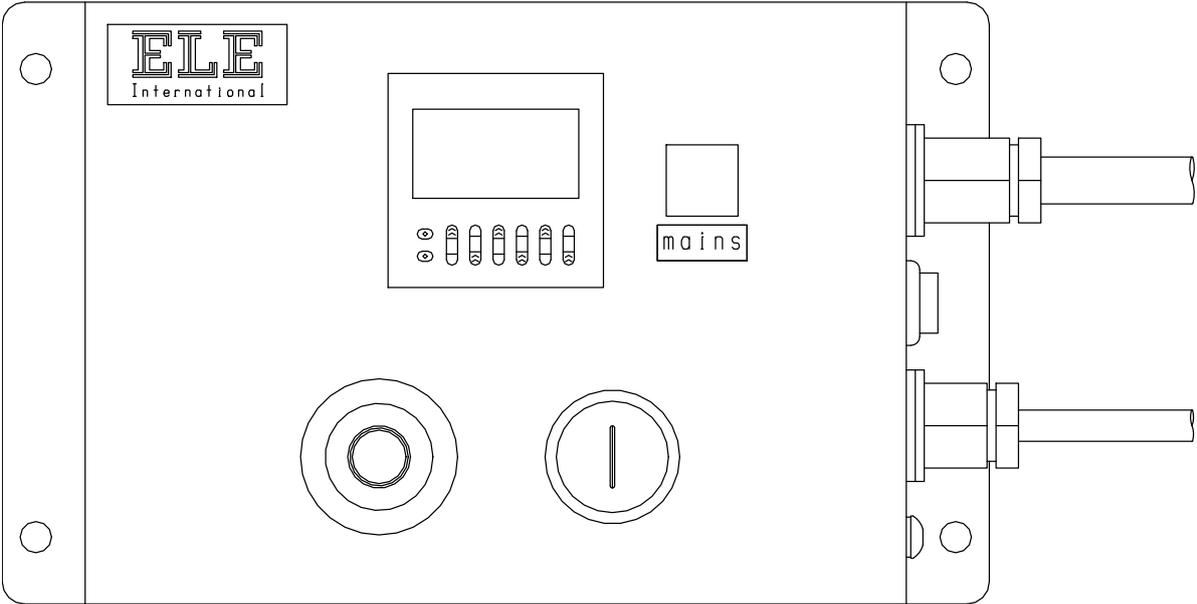


Figure 4 – Wall mounted remote control unit.
Note: On earlier models these controls will be found on the front panel.

Declaration of Conformity

ELE
International

Issued By: **ELE International**

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Date of Issue: 1 January 1998 ELE doc ref: 9901X0032

Approved
Signatory



We, ELE International, Chartmoor Road, Chartwell Business Park, Leighton Buzzard, Beds LU7 4WG, England, declare under sole responsibility that the following product(s) to which this declaration relates is (are) in conformity with the provisions of:

73/23/EEC Electrical Equipment Directive implemented in the UK by S1728/1989 amended by 93/68/EEC 1/1/1997.

Electrical Safety tested to BS EN 60204-1.

89/392/EEC, 91/368/EEC, 93/44/EEC and 93/68/EEC Machinery Directive implemented in the UK by S13073/1992 and S12063/1994.

89/336/EEC, 91/263/EEC, 92/31/EEC (the EMC Directive) amended by 93/68/EEC and implemented in the UK by SI/2372/1992 and SI/3080/1994.

Emissions tested to BS EN 50081-1 Domestic/Light Industrial.
Immunity tested to prEN 50082-2 Industrial.

Product Description	Serial No.
39-1150 series Jolting Table	(See details on product identification plate)



BS EN ISP9001: 1994 approved
Certificate number 860461

Responsible person's/approved signatory
M. Green, Managing Director

This Declaration of Conformity complies with BS
7514 (EN 45014), General Criteria for suppliers'
Declaration of Conformity

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Noise Test Certificate

Issued By: **ELE International**

Date of Issue: 1 January 1998 ELE doc ref: 9901X0032

Date of Test: 1 January 1998



Page 1 of 1

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<p>Product Description</p> <p>39-1150 series Jolting Table</p>	<p>Serial No.</p> <p>(See details on product identification plate)</p>																					
<p>Notes:</p>	<p>Measurements/recorded noise level</p> <table border="0"> <tr> <td>Position A</td> <td>75</td> <td>dB</td> </tr> <tr> <td>Position B</td> <td>75</td> <td>dB</td> </tr> <tr> <td>Position C</td> <td>75</td> <td>dB</td> </tr> <tr> <td>Position D</td> <td>77</td> <td>dB</td> </tr> <tr> <td>Position E</td> <td>77</td> <td>dB</td> </tr> <tr> <td colspan="3">(Normal operator position)</td> </tr> <tr> <td>Background Noise level</td> <td>55</td> <td>dB</td> </tr> </table>	Position A	75	dB	Position B	75	dB	Position C	75	dB	Position D	77	dB	Position E	77	dB	(Normal operator position)			Background Noise level	55	dB
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BS EN ISO9001: 1994 approved
Certificate number 860461

Noise tests were carried out using Test Meter, serial No.

N30863

which has been calibrated using calibrated standards traceable to national standards of measurement.

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DIRECTIVE ON WASTE ELECTRICAL & ELECTRONIC EQUIPMENT (WEEE)



Electrical equipment marked with this symbol may not be disposed of in European public disposal systems after 12 August of 2005. In conformity with European local and national regulations (EU Directive 2002/96/EC), European electrical equipment users must now return old or end-of life equipment to the Producer for disposal at no charge to the user.

Note: For return for recycling, please contact the equipment producer or supplier for instructions on how to return end-of-life equipment for proper disposal.

Important document. Retain with product records.

GERMAN

Elektrogeräte, die mit diesem Symbol gekennzeichnet sind, dürfen in Europa nach dem 12. August 2005 nicht mehr über die öffentliche Abfallentsorgung entsorgt werden. In Übereinstimmung mit lokalen und nationalen europäischen Bestimmungen (EU-Richtlinie 2002/96/EC), müssen Benutzer von Elektrogeräten in Europa ab diesem Zeitpunkt alte bzw. zu verschrottende Geräte zur Entsorgung kostenfrei an den Hersteller zurückgeben.

Hinweis: Bitte wenden Sie sich an den Hersteller bzw. an den Händler, von dem Sie das Gerät bezogen haben, um Informationen zur Rückgabe des Altgeräts zur ordnungsgemäßen Entsorgung zu erhalten.

Wichtige Informationen. Bitte zusammen mit den Produktinformationen aufbewahren.

FRENCH

A partir du 12 août 2005, il est interdit de mettre au rebut le matériel électrique marqué de ce symbole par les voies habituelles de déchetterie publique. Conformément à la réglementation européenne (directive UE 2002/96/EC), les utilisateurs de matériel électrique en Europe doivent désormais retourner le matériel usé ou périmé au fabricant pour élimination, sans frais pour l'utilisateur.

Remarque : Veuillez vous adresser au fabricant ou au fournisseur du matériel pour les instructions de retour du matériel usé ou périmé aux fins d'élimination conforme.

Ce document est important. Conservez-le dans le dossier du produit.

ITALIAN

Le apparecchiature elettriche con apposto questo simbolo non possono essere smaltite nelle discariche pubbliche europee successivamente al 12 agosto 2005. In conformità alle normative europee locali e nazionali (Direttiva UE 2002/96/EC), gli utilizzatori europei di apparecchiature elettriche devono restituire al produttore le apparecchiature vecchie o a fine vita per lo smaltimento senza alcun costo a carico dell'utilizzatore.

Nota: Per conoscere le modalità di restituzione delle apparecchiature a fine vita da riciclare, contattare il produttore o il fornitore dell'apparecchiatura per un corretto smaltimento.

Documento importante. Conservare con la documentazione del prodotto.

DANISH

Elektriske apparater, der er mærket med dette symbol, må ikke bortskaffes i europæiske offentlige affaldssystemer efter den 12. august 2005. I henhold til europæiske lokale og nationale regler (EU-direktiv 2002/96/EF) skal europæiske brugere af elektriske apparater nu returnere gamle eller udtjente apparater til producenten med henblik på bortskaffelse uden omkostninger for brugeren.

Bemærk: I forbindelse med returnering til genbrug skal du kontakte producenten eller leverandøren af apparatet for at få instruktioner om, hvordan udtjente apparater bortskaffes korrekt.

Vigtigt dokument. Opbevares sammen med produktdokumenterne.

SWEDISH

Elektronikutrustning som är märkt med denna symbol kanske inte kan lämnas in på europeiska offentliga sopsstationer efter 2005-08-12. Enligt europeiska lokala och nationella föreskrifter (EU-direktiv 2002/96/EC) måste användare av elektronikutrustning i Europa nu återlämna gammal eller uträdd utrustning till tillverkaren för kassering utan kostnad för användaren.

Obs! Om du ska återlämna utrustning för återvinning ska du kontakta tillverkaren av utrustningen eller återförsäljaren för att få anvisningar om hur du återlämnar kasserad utrustning för att den ska bortskaffas på rätt sätt.

Viktigt dokument. Spara tillsammans med dina produktbeskrivningar.

SPANISH

A partir del 12 de agosto de 2005, los equipos eléctricos que lleven este símbolo no deberán ser desechados en los puntos limpios europeos. De conformidad con las normativas europeas locales y nacionales (Directiva de la UE 2002/96/EC), a partir de esa fecha, los usuarios europeos de equipos eléctricos deberán devolver los equipos usados u obsoletos al fabricante de los mismos para su reciclado, sin coste alguno para el usuario.

Nota: *Sírvase ponerse en contacto con el fabricante o proveedor de los equipos para solicitar instrucciones sobre cómo devolver los equipos obsoletos para su correcto reciclado.*

Documento importante. Guardar junto con los registros de los equipos.

DUTCH

Elektrische apparatuur die is voorzien van dit symbool mag na 12 augustus 2005 niet meer worden afgevoerd naar Europese openbare afvalsystemen. Conform Europese lokale en nationale wetgeving (EU-richtlijn 2002/96/EC) dienen gebruikers van elektrische apparaten voortaan hun oude of afgedankte apparatuur kosteloos voor recycling of vernietiging naar de producent terug te brengen.

Nota: *Als u apparatuur voor recycling terugbrengt, moet u contact opnemen met de producent of leverancier voor instructies voor het terugbrengen van de afgedankte apparatuur voor een juiste verwerking.*

Belangrijk document. Bewaar het bij de productpapieren.

POLISH

Sprzęt elektryczny oznaczony takim symbolem nie może być likwidowany w europejskich systemach utylizacji po dniu 12 sierpnia 2005. Zgodnie z europejskimi, lokalnymi i państwowymi przepisami prawa (Dyrektywa Unii Europejskiej 2002/96/EC), użytkownicy sprzętu elektrycznego w Europie muszą obecnie przekazywać Producentowi stary sprzęt lub sprzęt po okresie użytkowania do bezpłatnej utylizacji.

Uwaga: *Aby przekazać sprzęt do recyklingu, należy zwrócić się do producenta lub dostawcy sprzętu w celu uzyskania instrukcji dotyczących procedur przekazywania do utylizacji sprzętu po okresie użytkowania.*

Ważny dokument. Zachować z dokumentacją produktu.

PORTUGUESE

Qualquer equipamento eléctrico que ostente este símbolo não poderá ser eliminado através dos sistemas públicos europeus de tratamento de resíduos sólidos a partir de 12 de Agosto de 2005. De acordo com as normas locais e europeias (Directiva Europeia 2002/96/EC), os utilizadores europeus de equipamentos eléctricos deverão agora devolver os seus equipamentos velhos ou em fim de vida ao produtor para o respectivo tratamento sem quaisquer custos para o utilizador.

Nota: *No que toca à devolução para reciclagem, por favor, contacte o produtor ou fornecedor do equipamento para instruções de devolução de equipamento em fim de vida para a sua correcta eliminação.*

Documento importante. Mantenha junto dos registos do produto.