

**ADKINS**

# Omega Flatbed Series Alpha Flatbed Series Alpha Calender Series

## Installation Guide

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# TABLE OF CONTENTS

<b>1. INSTALLATION REQUIREMENTS, MACHINE DETAILS, ROLES AND RESPONSIBILITIES OF A. ADKINS &amp; SONS LTD. AND CUSTOMER.</b>	
<b>2. ALPHA INDUSTRIAL FLATBED SERIES</b>	
<u>Omega Series 600</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements.	1
<u>Omega Series 750</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements.	2
Omega Series 600 and 750 Installation Instructions.	3
<u>Alpha Industrial Flatbed Series 5 – 100 x 120 cm</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	4
<u>Alpha Industrial Flatbed Series 5 – 100 x 160 cm</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	5
Alpha Industrial Flatbed Series 5 Installation Instructions	6
<u>Alpha Industrial Flatbed Series 7 – 100 x 120 cm (Reciprocating tables)</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	7
<u>Alpha Industrial Flatbed Series 7 – 100 x 170 cm (Reciprocating tables)</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	8
Alpha Industrial Flatbed Series 7 Installation Instructions	9
<b>3. ALPHA CALENDER ROLL-MASTER SERIES</b>	
<u>Alpha Calender Roll-Master 1.2</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	1
Alpha Calender Roll-Master 1.2 Installation Instructions	2
<u>Alpha Calender Roll-Master 1.7</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	3
Alpha Calender Roll-Master 1.7 Installation Instructions	4
<u>Alpha Calender Roll-Master 2.0</u>	
Machine Pictures, Weights, Dimensions and Electrical Requirements	5
Alpha Calender Roll-Master 2.0 Installation Instructions	6
<b>4. VENTILATION / FUME EXTRACTION</b>	
<u>Ventilation / Fume Extraction</u>	
Advice on extracting fumes created during production / operation	1



# 1. INSTALLATION REQUIREMENTS, MACHINE DETAILS, ROLES AND RESPONSIBILITIES OF A. ADKINS & SONS LTD. AND THE CUSTOMER

*A. Adkins & Sons Ltd. Service Engineers are not qualified electricians and therefore all electrical work must be undertaken by your chosen authorised electrician **prior** to the installation of the machine. Electrical connections may be with Commando plug and socket or hardwired, dependent on machine size and customer's existing arrangements.*

*If you are in doubt regarding any aspect of delivery, installation or electrical requirements, please call A. Adkins & Sons Ltd. or your Dealer for information and advice. We will do our best to help!*

*A. Adkins & Sons Ltd. can offer a pre-installation site-survey service. This is a chargeable service, but provides peace of mind to customers that their premises, access and services meet the requirements of the equipment being installed.*



**IMPORTANT:**

*Please note that failed installation visits will still be chargeable if our engineers attend site and are unable to complete the installation due to incorrect power supply, power connection, lifting or positioning machinery, access or compressed air supply.*



## **2. ALPHA INDUSTRIAL FLATBED SERIES**



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## ***Omega Series 600***

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**Packed Dimensions:**

(L) 1370 x (W) 1210 x (H) 1220 mm

**Packed Weight:**

Packing Case 304 kg

**Unpacked Dimensions:**

(L) 1230 x (W) 1020 x (H) 1000 mm

**Unpacked Weight:**

183 kg

**Power Consumption:**

4.5 kW

**Amps:**

20 A

**Power Supply Required:**

220V Single Phase (requires a 32 Amp  
Commando socket or hard wired)



***Compressed Air Supply***

Please note that the Omega series 600 press requires a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

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## ***Omega Series 750***

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**Packed Dimensions:**

(L) 1370 x (W) 1290 x (H) 1220 mm

**Packed Weight:**

Packing Case 340 kg

**Unpacked Dimensions:**

(L) 1230 x (W) 1020 x (L) 1000 mm

**Unpacked Weight:**

263 kg

**Power Consumption:**

7.0 kW

**Amps:**

27 A

**Power Supply Required:**

220V Single Phase (requires a 32 Amp  
Commando socket or hard wired)



***Compressed Air Supply***

Please note that the Omega series 750 press requires a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

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## Omega Series 600 and 750 Installation Instructions

A. Adkins & Sons Ltd. will deliver the machine to the curb side of the customer's premises; However, it is the customer's responsibility to locate the machine into its final position. The machine should be placed on a suitable stand or table that will take the weight of the machine.

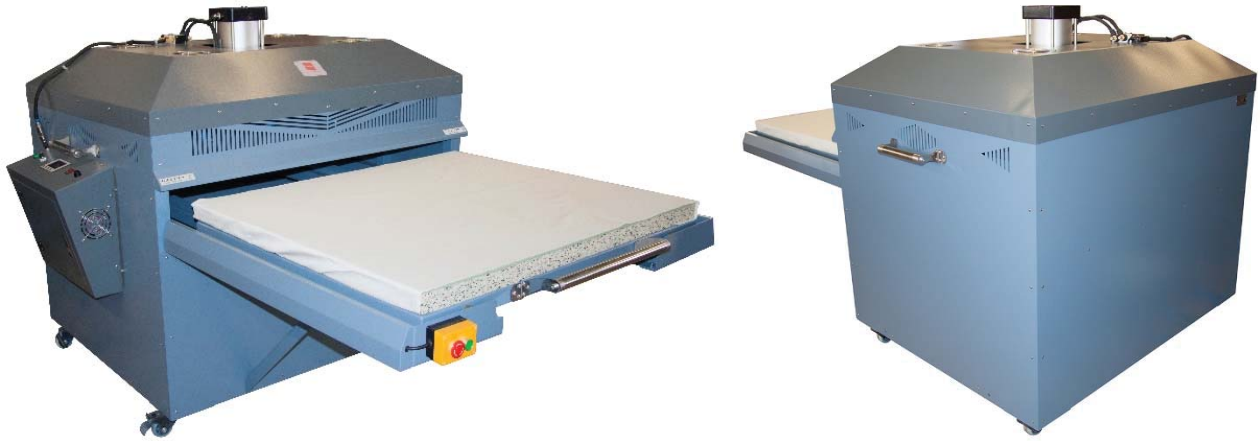
Lifting equipment will be required to place the machine onto the table or stand.

A. Adkins & Sons Ltd. can supply an optional stand for the machine which may need to be assembled by the customer. The stand is supplied without wheels.

The Omega Series 600 and 750 presses are pneumatic and will require a compressed air supply to operate (not supplied). We recommend a minimum tank size of 50ltrs. The machines will operate at a maximum of 6 bar pressure. If you require further information please contact us.

### Additional Lower Table Base Pad Options

A. Adkins & Sons Ltd. can supply an optional silicone base pad and Nomex felt cover that some users printing textile may find beneficial to use in place of the compressed foam pad that the machine is supplied with. If you require further information please contact us.



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## ***Alpha Industrial Flatbed Series 5 - 100 x 120 cm***

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**Packed Dimensions:**

(L) 1880 x (W) 1570 x (H) 1770 mm

**Packed Weight:**

Packing Case 764 kg

**Unpacked Dimensions:**

(L) 2293 x (W) 1701 x (H) 1522 mm

**Unpacked Weight:**

536 kg

**Power Consumption:**

7.5 kW

**Amps:**

34 A

**Power Supply Required:**

220V Single Phase

(requires a 64 Amp commando socket or hard wired)



***Compressed Air Supply***

Please note that the Alpha Industrial Flatbed Series 5 presses require a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

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## ***Alpha Industrial Flatbed Series 5 - 100 x 160 cm***

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***Packed Dimensions:***

(L) 2270 x (W) 1560 x (H) 1770 mm

***Packed Weight:***

Packing Case 900 kg

***Unpacked Dimensions:***

(L) 2293 x (W) 2100 x (H) 1522 mm

***Unpacked Weight:***

641 kg

***Power Consumption:***

12.0 kW

***Amps:***

18 Amps per phase

***Power Supply Required:***

380V 3-Phase N + E

(can be supplied with a plug or hard wired)



### ***Compressed Air Supply***

Please note that the Alpha Industrial Flatbed Series 5 presses require a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

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## Alpha Industrial Flatbed Series 5 Installation Instructions

A. Adkins & Sons Ltd. will deliver the machine to the curb side of the customer's premises; However, it is the customer's responsibility to locate the machine into its final position. The machine needs to be on a hard standing, level floor suitable to take the weight of a machine.

The customer will require a forklift to remove the machine from the delivery vehicle. The machine will have to be removed from the packing case. The table and runners are packed separately inside the packing case. These need to be removed first and this should be a two-person operation (minimum). There will be other items such as lower press table bedding that will need to be removed before the body of the machine can be lifted from the packing case.

Once the machine is out of its packing case it can be moved in a number of ways. The machine can be located by removing the feet and using the inbuilt wheels, but ideally use a forklift truck, pallet truck or machine moving skates.

Once in its final position, the feet can be replaced on the machine before lowering it to its final position, ensuring the machine is level in all directions. This is essential if the floor surface is uneven. However, if the floor surface is even, the machine can be left to rest on its feet or the wheels, but care should be taken that the wheels are locked into position.

### Additional Lower Table Base Pad Options

Adkins can supply an optional silicone base pad and Nomex felt cover that some users printing textile may find beneficial to use in conjunction with the compressed foam pad that the machine is supplied with. If you require further information please contact us.



The Alpha Industrial Flatbed Series 5 – 100 x 160 cm press will require the use of a minimum 3.5 tonne forklift, with extended forks of 6 ft.



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## ***Alpha Industrial Flatbed Series 7 - 100 x 120 cm (Reciprocating Tables)***

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**Packed Dimensions:**

(L) 1807 x (W) 1903 x (H) 1800 mm

**Packed Weight:**

Packing Case 1004 kg

**Unpacked Dimensions:**

(L) 2717 x (W) 1659 x (H) 1550 mm

**Unpacked Weight:**

782 kg

**Power Consumption:**

9.0 kW

**Amps:**

14 Amps per phase

**Power Supply Required:**

380V 3-Phase N + E

(can be supplied with a plug or hard wired)



***Compressed Air Supply***

Please note that the Alpha Industrial Flatbed Series 7 presses require a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

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## ***Alpha Industrial Flatbed Series 7 - 120 x 170 cm (Reciprocating Tables)***

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***Packed Dimensions:***

(L) 2240 x (W) 2150 x (H) 1870 mm

***Packed Weight:***

Packing Case 1390 kg

***Unpacked Dimensions:***

(L) 3130 x (W) 2110 x (H) 1550 mm

***Unpacked Weight:***

1114 kg

***Power Consumption:***

18.0 kW

***Amps:***

27 Amps per phase

***Power Supply Required:***

380V 3-Phase N + E

(hard wired connection required)



***Compressed Air Supply***

Please note that the Alpha Industrial Flatbed Series 7 presses require a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

## Alpha Industrial Flatbed Series 7 Installation Instructions

A. Adkins & Sons Ltd. will deliver the machine to the curb side of the customer's premises; However, it is the customer's responsibility to locate the machine into its final position. The machine needs to be on a hard standing, level floor, capable of bearing the weight of a machine.

The customer will require a forklift to remove the machine from the delivery vehicle. The machine will have to be removed from the packing case. The table and runners are packed separately inside the packing case. These need to be removed first and this should be a two-person operation (minimum). There will be other items such as bedding that will need to be removed before the body of the machine can be lifted from the packing case.

Once the machine is out of its packing case it can be moved in a number of ways. The machine can be located by removing the feet and using the inbuilt wheels, but ideally use a forklift truck, pallet truck or machine moving skates.

Once in its final position, the feet can be replaced on the machine before lowering it to its final position, ensuring the machine is level in all directions. This is essential if the floor surface is uneven. However, if the floor surface is even, the machine can be left to rest on its feet or the wheels, but care should be taken that the wheels are locked into position.

### Additional Lower Table Base Pad Options

Adkins can supply an optional silicone base pad and Nomex felt cover that some users printing textile may find beneficial to use in conjunction with the compressed foam pad that the machine is supplied with. If you require further information please contact us.



The Alpha Industrial Flatbed Series 7 – 120 x 170 cm press will require the use of a minimum 3.5 tonne forklift, with extended forks of 6 ft.



### **3. ALPHA INDUSTRIAL ROLL-MASTER COLLECTION**



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## ***Alpha Calender Roll-Master 1.2***

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***Packed Dimensions:***

(L) 2050 x (W) 6500 x (H) 1500 mm

***Packed Weight:***

Packing Case 432 kg

***Unpacked Dimensions:***

(L) 1170 x (W) 1780 x (H) 1280 mm

***Unpacked Weight:***

400 kg

***Power Consumption:***

7.2 kW

***Amps:***

30 Amps

***Power Supply Required:***

220V Single Phase N + E

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## Alpha Calender Roll-Master 1.2 Installation Instructions

A. Adkins & Sons Ltd. will deliver the machine to the curb side of the customer's premises; However, it is the customer's responsibility to locate the machine into its final position. The machine needs to be on a hard standing, level floor, capable of bearing the weight of a machine and with suitable working space around the machine.

The customer will require a forklift to remove the machine from the delivery vehicle. The machine will have to be removed from the packing case. The table and bars are packed separately inside the packing case. These need to be removed first and this should be a two-person operation (minimum). The body of the machine can now be lifted from the packing case.

Once the machine is out of its packing case it can be moved in a number of ways. The machine can be located by using the inbuilt wheels, but ideally use a forklift truck, pallet truck or machine moving skates. Once in its final position, the feet of the machine can be lowered raising the wheels off the ground. Ideally, the machine should rest on its feet, ensuring the machine is level in all directions.

Upon installation, A. Adkins & Sons Ltd. will set the machine up to the customers' needs and give an overview of the machine and carry out training to one or two staff. This all should be achievable within the hour allocated to the install. Further training can be arranged at an additional charge.

Please ensure that you have available some printed paper and polyester material to enable our engineer to demonstrate the machine to you. These need to be on a roll so we can demonstrate how to load the machine and run through with staff on how to make adjustments while machine is running, also please supply some items so we can demonstrate piece to piece transfer work. This will allow A. Adkins & Sons Ltd. engineers to give you the best possible use of time giving you the training and overview of the machine in the time available.





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## ***Alpha Calender Roll-Master 1.7***

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***Packed Dimensions:***

(L) 2650 x (W) 1250 x (H) 1900 mm

***Packed Weight:***

Packing Case 730 kg

***Unpacked Dimensions:***

(L) 1140 x (W) 2390 x (H) 1350 mm

***Unpacked Weight:***

580 kg

***Power Consumption:***

10.5 kW

***Amps:***

14.6 Amps per phase

***Power Supply Required:***

380V 3-Phase N + E



***Compressed Air Supply***

Please note that the Alpha Calender Roll-Master 1.7 press requires a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

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## Alpha Calender Roll-Master 1.7 Installation Instructions

A. Adkins & Sons Ltd. will deliver the machine to the curb side of the customer's premises; However, it is the customer's responsibility to locate the machine into its final position. The machine needs to be on a hard standing, level floor, capable of bearing the weight of a machine and with suitable working space around the machine.

The customer will require a forklift to remove the machine from the delivery vehicle. The machine will have to be removed from the packing case and the bars are packed separately inside the packing case. These need to be removed first and this should be a two-person operation (minimum). The body of the machine can now be lifted from the packing case.

Once the machine is out of its packing case it can be moved in a number of ways. The machine can be located by using the inbuilt wheels, but ideally use a forklift truck, pallet truck or machine moving skates. Once in its final position, the feet of the machine can be lowered raising the wheels off the ground. Ideally, the machine should rest on its feet, ensuring the machine is level in all directions.

At no point should you try and manually lift this machine. A. Adkins & Sons Ltd. cannot be held responsible for damage or injury.

Upon installation, A. Adkins & Sons Ltd. will set the machine up to the customer needs and give an overview of the machine and carry out training to one or two staff. This all should be achievable within the hour allocated to the install. Further training can be arranged at a charge

Please ensure that you have available some printed paper and polyester material to enable our engineer to demonstrate the machine to you. These need to be on a roll so we can demonstrate how to load the machine and run through with staff on how to make adjustments while machine is running, also please supply some items so we can demonstrate piece to piece transfer work. This will allow A. Adkins & Sons Ltd. engineers to give you the best possible use of time giving you the training and overview of the machine in the time available.



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## ***Alpha Calender Roll-Master 2.0***

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***Packed Dimensions:***

(L) 3080 x (W) 1950 x (H) 1980 mm

***Packed Weight:***

Packing Case 2300 kg

***Unpacked Dimensions:***

(L) 3000 x (W) 2860 x (H) 1700 mm

***Unpacked Weight:***

2100 kg

***Power Consumption:***

58 kW

***Amps:***

80 Amps per phase

***Power Supply Required:***

380V 3 Phase N + E

(hard wired connection required)



***Compressed Air Supply***

Please note that the Alpha Calender Roll-Master 2.0 press requires a compressed air supply to operate. Please discuss with your agent/dealer your specific needs as each installation requires a different PSI and / or Litres per minute air supply in accordance with the type of work being carried out, i.e. pressure, dwell and recovery / cycle times.

## Alpha Calender Roll-Master 2.0 Installation Instructions

A. Adkins & Sons Ltd. will deliver the machine to the curb side of the customer's premises; However, it is the customer's responsibility to locate the machine into its final position. The machine needs to be on a hard standing, level floor, capable of bearing the weight of a machine and with suitable working space around the machine.

The customer will require a forklift to remove the machine from the delivery vehicle. The machine will have to be removed from the packing case. The table and bars are packed separately inside the packing case. These need to be removed first and this should be a two-person operation (minimum). The body of the machine can now be lifted from the packing case.

Once the machine is out of the packing case the machine can be positioned into its final location in a number of ways.

The machine can be located in its final position by use of a forklift truck and / or pallet trucks or machine moving skates.

The installation on this machine could be up to 3 days and will require two engineers to be on site from the time of delivery.

Upon installation, A. Adkins & Sons Ltd. will set the machine up to the customer's needs and give an overview of the machine and carry out training to one or two staff. This all should be achievable within the hour allocated to the install. Further training can be arranged at a charge.

Please ensure that you have available some printed paper and polyester material to enable our engineer to demonstrate the machine to you. These need to be on a roll so we can demonstrate how to load the machine and run through with staff on how to make adjustments while the machine is running, also please supply some items so we can demonstrate piece to piece transfer work. This will allow A. Adkins & Sons Ltd. engineers to give you the best possible use of time giving you the training and overview of the machine in the time available.



## 4. VENTILATION / FUME EXTRACTION

## Ventilation / Fume Extraction

Many of the processes that are performed on the Adkins range of machines create steam and vapours that are emitted from the fabric, printed transfers and support papers.

Customers may wish to consider ventilation options for their production areas to minimise operator discomfort, reduced visibility in the workplace and cross contamination of printed items due to condensation of natural oils secreted during pressing processes.

Typically, a metal canopy style hood above the machine (that extends beyond the edges of the machine in all directions) and an extraction fan will provide sufficient extraction for most production requirements.



Extraction must comply with National, Regional and Local Emission laws.

A. Adkins & Sons Ltd. cannot be held responsible for damage or injury or breaches of emission laws.

- End -