



SERVICE MANUAL

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Divisions of ase Industries, Inc.



Certification

Awarded To

ASE INDUSTRIES, INC.

23850 PINWOOD STREET
WARREN, MI 48091 USA

Bureau Veritas Certification North America, Inc. certifies that the management system of the above organization has been audited and found to be in accordance with the requirements of the management system standards and scope of supply detailed below

STANDARDS

ISO 9001:2000

SCOPE OF SUPPLY

THE DESIGN, MANUFACTURE, INSTALLATION AND SERVICE OF AUTOMATED PARTS HANDLING AND PARTS WASHING EQUIPMENT AND SYSTEMS PRIMARILY FOR AUTOMOTIVE AND AUTOMOTIVE RELATED INDUSTRIES

Original Approval Date: 8 January 1998

Subject to the continued satisfactory operation of the Organization's Management System, this certificate will remain valid until: 7 January 2010

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.

Certificate No: CA 08000428
Issue Date: 1 May 2008

Certification Authority and Managing Office
Bureau Veritas Certification Canada
2550 Matheson Blvd. E. Suite 126, Mississauga,
Ontario, Canada



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Introduction to ASE Industries, Inc.

ASE Industries, Inc. is registered to ISO 9001:2000

ASE Industries, Inc. consists of two divisions: **Automation Service Equipment (ASE)** and **Final Phase**.

Automation Service Equipment (ASE) was founded in 1972 as a privately held corporation and is a leader in the design, manufacture and installation of automated parts handling systems and components. ASE has handled parts of all shapes, sizes and materials by means of gravity and/or power conveyance methods. ASE can take parts from forging through final assembly by automatically feeding, storing, controlling and unloading them at our customer's production rates.

Final Phase was also founded in 1972 as a privately held corporation involved in the design, manufacturer and installation of industrial parts washers. Final Phase washers are available in single and multi stage machines consisting of; belt, rotary drum, walking beam, and turntable all sized to fit your parts washing requirements. Final Phase was acquired by ASE Industries, Inc. in October 1989, and was a natural fit with ASE in that it provided the ability to offer turnkey systems that included both material handling equipment and parts washing equipment.

ASE and Final Phase are located in a common 45,000 square feet facility at 23850 Pinewood, Warren, Michigan

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Equipment Introduction

ASE Industries, Inc. would like to extend our thanks for purchasing your equipment from us. We strive to provide our customers with reliable and durable automated parts handling and parts washing equipment that is easy to maintain, on time, and at a competitive price.

This Service Manual was developed to assist you in the operation and care of ASE Industries equipment. However, the manual is only a generalized guide to this equipment. Factory conditions vary and you should always use your best judgment based on your individual circumstances with regard to safety and maintenance issues. If you require additional assistance please use the contact information on the page 9.

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Safety Equipment

ASE Industries, Inc. offers a wide variety of optional safety devices for our parts handling equipment.

- Slip clutch
- Motion detect switch
- Light Curtain
- Palm Button
- Emergency Stop Push button
- Emergency Stop Pull cord
- Gate Switch
- Safety Guarding

Note: Use extreme caution when working with, on or around any mechanical or air powered devices.

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Equipment Maintenance

Note: ASE Industries Inc. incorporates many different manufacturers for the components utilized in our automated parts handling systems based on each customer's specifications. Please refer to the particular manufacturers web site utilized in your system for that components operation and maintenance instructions.

Please use the following precautions when performing equipment maintenance.

- Cleaning and maintenance should only be done when the main power is turned "Off" and the equipment "Locked Out" to insure against unintentional power-on.
- Be sure to re-tighten all bolts removed for cleaning and maintenance.
- Be sure to replace all guarding removed for cleaning and maintenance.

Please use the following general guidelines for maintaining your equipment:

- Inspect drive unit for lubrication level Every 1 months
- Inspect drive unit for excessive vibration Every 1 months
- Inspect your system for worn or missing details Every 1 months
- Inspect chain tension and alignment Every 1 months
- Inspect conveyors for dirt/debris and clean Every 1 months
- Inspect chains for damaged or missing links Every 1 months
- Inspect sprockets and chain for excessive wear Every 1 months
- Inspect part guides and/or fixtures for wear Every 1 months

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Warranty

ASE Industries, Inc. handling equipment has a one (1) year warranty from delivery date. This warranty covers all ASE Industries, Inc. manufactured equipment. Standard purchased components utilized in equipment assemblies will reflect the warranty of their manufacturer. In all cases, ASE Industries, Inc. warranty is effective only if equipment is maintained properly and not subjected to abuse.

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Spare Parts List

Please refer to your Spare Parts List when ordering parts. The following information from equipment identification tag may help assure order accuracy.

- ASE Job # A-XXXXX-XXXX
- ASE Unit # A-XXXX-XXXX
- Please see equipment drawing for detail number.

Please use the following contact information when ordering parts;

ASE Industries, Inc

23850 Pinewood

Warren, MI 48091

Phone: 586-754-7480

Fax: 586-758-7460

E-Mail: sales@aseind.com

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