INTRODUCTION

- 1. Symbols 01-1
- 2. Directives for working safety 01-1
- 3. Remarks 01-2

GENERAL INFORMATION

- 1. Specifications 02-1
- 2. Equipments 02-2

SAFETY

- 1. Mechanical safety 03-1
- 2. Electrical safety 03-1
- 3. UV reactor safety 03-2
- 4. Safety instructions concerning the use of Dubuit UV inks 03-3

INSTALLATION

- 1. Preparation 04-1
- 2. Handling 04-1
- 3. Levelling of the machine 04-2
- 4. Electrical hook up 04-2
- 5. Pneumatic hook up 04-2
- 6. Gas hook up 04-3
- 7. Hook up of the curing unit extraction 04-3
- 8. Electrical start up 04-3

ELECTRICAL AND PNEUMATIC CONTROLS

- 1. Infeed module 05-1
- 2. Printing module 05-2

CONTROL DISPLAY

- 1. Machine configuration 06-1
- 2. Pumps 06-2
- 3. Heads 06-3
- 4. Lamps 06-3
- 5. Control 06-4
- 6. Cams 06-8
- 7. Status I/O 06-12
- 8. Alarm messages 06-13

DIFFERENT OPERATION MODES

- 1. Automatic operating 07-1
- 2. Jog operating 07-1
- 3. Adjusting mode 07-2

INFEED MODULE

FEEDING CONVEYOR

- 1. Conveyor speed adjustment 08-1
- 2. Adjustment in height of the conveyor 08-1
- 3. Spacing between the object guides 08-1
- 4. Height adjustment of the object guides 08-1
- 5. Pre-selection and selection air cylinders 08-2

LOADING

- 1. Description 09-1
- 2. Height adjustment of suction cups 09-1
- 3. Spacing between suction cups 09-2
- 4. Depth adjustment of the manipulator 09-2

STEP TRANSFER - CHUCK AND COUNTERPOINT ASSEMBLIES

- 1. Description 10-1
- 2. Spacing adjustment of the holder 10-1
- 3. Height adjustment of transfer holder 10-1
- 4. Spacing between the chucks and the counterpoints 10-2
- 5. Setting up the vacuum beam 10-2
- 6. Turning over device 10-2
- 7. Change over from cylindrical to oval 10-2

DEDUSTING

- 1. Functioning 11-1
- 2. Installation 11-1
- 3. Maintenance 11-1
- 4. Dedusting station 11-2

FLAME TREATMENT

- 1. Principle of flame treatment 12-1
- 2. Flame treatment station 12-4

POSITIONING DEVICE

1. Description 13-1

PRINTING MODULE

OBJECT TRANSFER - VACUUM HANDS

- 1. Description 14-1
- 2. Hand change over 14-1

OBJECT DETECTION - INFLATING

- 1. Object detection 15-1
- 2. Inflating 15-1
- 3. Print safety 15-2

CHUCK AND COUNTERPOINT ASSEMBLY

- 1. Description 16-1
- 2. Chuck and counterpoint closing 16-1
- 3. Adjustment of the chuck and counterpoint spacing 16-1
- 4. Chuck change over 16-2
- 5. Adjustment of print radius for oval object 16-3

REGISTRATION

- 1. Description 17-1
- 2. Friction adjustment 17-1
- 3. Angular position of the registration pin 17-1

PRINTING HEAD

- 1. Cylindrical 18-1
- 2. Oval 18-4
- 3. Safety 18-7
- 4. Adjustment of the screen holder 18-7

PNEUMATIC SQUEEGEE

- 1. Description and working operation 19-1
- 2. Squeegee blade 19-2
- 3. Adjustment of squeegee blade 19-3
- 4. Maintenance 19-4

DRYING

- 1. Drying station 20-1
- 2. UV dryer 20-4

UNLOADING

- 1. Unloading on a chute 21-1
- 2. Unloading on a conveyor with standing up device 21-1

MAINTENANCE

- 1. General maintenance 22-1
- 2. Alarm messages 22-3
- 3. Spare parts 22-3