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ROBOTIC PLUNGE SLITTER/SCORER – ROBOTIC QUICKSET SEMINAR (RPS/RQS) OUTLINE/AGENDA

Contact: Reid Badeau

Day 1

INTRODUCTION

1. Register
2. Personal Introduction and Schedule

GENERAL OVERVIEW OF THE SLITTER/SCORER

1. Machine Description
 - A. Line Layout - Identify Components
 - B. System Layout
 - B. Terminology
 - C. Minimum Tooling Head Space - Effect on Operation
 - D. Manual Setup Section and Why it is Needed
 - E. Head Layout - To Locate Heads on the Machine by Number
 - F. Process Description at Setup Change
 - G. Difference between RPS and RQS Slitter/Scorer
2. Safety Considerations

OPERATOR CONTROLS - OVERVIEW

1. Machine Operator Station
2. Main Operator Station - MCS

MCS COMPUTER

1. What it Does for the System
2. Menus
 - A. Layout and Usage
 - B. Operation
 - 1) Configuration - Understanding What You Have
 - 2) Rereference/Registration/Setup - How the Slitter/Scorer Thinks
 - C. Check Head Positions - What the Numbers Mean

Day 2

MECHANICAL SYSTEMS

1. Maintenance Schedule - How to Use It
2. Frame
3. Robot
 - A. Rack Gear Maintenance
 - B. Bearing Maintenance
4. Head Assembly
 - A. Layout - All Parts and Their Function
 - B. Tool Change –
 - 1) Razor Sharpener
 - 2) Oiling
 - 3) Anvil
 - 4) Sensors – Function/Setup

- C. Lockdown Assembly
 - 1) Adjustment and Preventive Maintenance
 - 2) Replacement

- 5. Machine Direction Tooling Drive
 - A. Hex Shaft
 - 1) Removal and Replacement
 - 2) Cautions in Handling
 - B. Drive Belts
- 6. MASS - Manual Setup Section
 - A. Mechanical Components
 - B. Preventive Maintenance
- 7. Automatic Caliper Adjust
 - A. Mechanical Components
 - B. Electrical Components
- 8. Trim Chutes
 - A. Mechanical Components
 - B. Electrical Components
- 9. Side Shift - +/- 2.5"

Day 3

PNEUMATICS

- 1. Symbols and Print Reading

ELECTRIC PRINTS

- 1. Panel Layouts
- 2. Color/Number Codes
- 3. Print Reading
 - A. High Power Wiring
 - B. Control Power Wiring
 - C. Allen-Bradley Device Net - Overview
- 4. Special Circuits
 - A. Emergency Stop – Jacob Relays

Day 4

Drives

- A. MWU/Baumüller Tooling Drive
 - 1) Wiring and Functions
 - 2) On Board Diagnostics
 - 3) Drive Replacement
- B. Allen-Bradley Drive – Kinetix Drive
 - 1) Wiring and Functions

SYSTEM RECAP AND TROUBLESHOOTING

Please discuss this with the Education and Training Department after reviewing this agenda. This has been written for all possible machines; some equipment may not apply for a particular class and will not be covered. Specific order for class may vary upon equipment presented.