

Hydraulics Technology 2: Course Outline

Catalogue Number	8071-0020
Category	Fluid Motion
Duration	15 Hours
Software Supplied	HydraMotion simulation software

Activity 1: Getting Started

Activity 2: Mechatronics and Hydraulic Systems

Skill 2A: Basic Electrical System

Activity 3: Building a Dowel Insertion System

Skill 3A: Dowel Insertion System

Activity 4: Controlling a Hydraulic Press

Activity 5: Controlling a Barricade

Skill 5A: Controlling Piston Position with Two PB's

Activity 6: Sequential Operation

Skill 6A: Magnetic Sensors

Activity 7: Grain Gate Valves

Skill 7A: Grain Gate Valves

Activity 8: Controlling a Cargo Airplane Door

Activity 9: Increasing System Efficiency

Activity 10: The Relay

Activity 11: Latching a Relay

Skill 11A: The Relay

Activity 12: Semi-Automatic Press System

Skill 12A: Semi-automatic System

Activity 13: The Timer

Activity 14: Irrigation System

Activity 15: Improving Control in a Circuit with Sequential Operation