

# Hydraulic Press

Review date: 18/10/10

<b>Document no.</b> SMS-06-SW-0863	<b>Work description</b> Assembly, Disassembly and shaping of Infrastructure components and parts.		
<b>Scope</b>	Enerpac 10 Tonne press		
<b>Review date</b>	<b>References</b> OHS Reg 2001 Chapter 5 <a href="#">SMS-06-GD-0225 Plant</a> <a href="#">SMS-06-GD-0306 Plant Risk Assessment</a> Safe work procedure SWP71 Hydraulic Press published @ <a href="http://www.assaohs.com.au">www.assaohs.com.au</a> Australian Standards DRAFT DR04138		
<b>Responsible supervisor</b> <i>Insert name in BLOCK letters</i>	<b>PPE and precautions</b> Eye protection Face shield Leather Gloves Protective footwear	<b>Competencies or qualifications</b> Back Safe, Manual Handling Briefed in SWI and competent to use Press.	<b>Licences or permits required</b> None
<b>Tools and equipment required</b>	None		
IF CONTROL MEASURES ARE NOT SUITABLE AND MAJOR CHANGES ARE NEEDED, CONDUCT A RISK ASSESSMENT AND DEVELOP NEW CONTROLS ACCORDING TO <a href="#">SMS-06-PR-0104 WORKPLACE RISK MANAGEMENT</a> .			

**Warning**

A hydraulic press must not be loaded in excess of its rated capacity  
 Never substitute a larger capacity hydraulic jack than that for which the frame was designed into a hydraulic jack frame  
*Do not touch hoses which are pressurised – escaping fluid or air can cause severe injury*

<b>Site/Job</b>	
<b>Planning</b>	<ul style="list-style-type: none"> <li>Place the first aid kit and fire fighting gear nearby</li> <li>Follow all worksite procedures eg Induction, pre-work briefing</li> <li>Clear around the workarea – people and other equipment</li> </ul>

<b>Setting up</b>	
	<p><b>Hazards</b></p> <ul style="list-style-type: none"> <li>Manual Handling – Setting up Table Bed           <ul style="list-style-type: none"> <li>– Setting up of work piece on Table Bed</li> </ul> </li> <li>Falling objects – Work piece may fall off Table Bed</li> <li>Nip Points / Crush injuries when setting up work piece</li> <li>Pressurised Fluid and Air</li> </ul> <ul style="list-style-type: none"> <li>Inspect all hoses and fittings prior to use – fittings and couplings must be tight and leak free</li> <li>When connecting/disconnecting hoses or fittings system pressure MUST be at "0" psi/bar</li> <li>Exercise care when raising or lowering table</li> <li>Remove all loose parts, plates, blocks etc before adjusting table</li> <li>Ensure that the table is level and that all table pins are inserted fully and locked in position</li> <li>Strain relief MUST be in position at both ends of hose</li> </ul>

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<b>Use</b>	<p><b>Hazards</b></p> <ul style="list-style-type: none"> <li>• Sharp edges</li> <li>• Falling objects</li> <li>• Projectiles from shattered work piece</li> <li>• Pressurised Fluid and Air</li> </ul>
	<ul style="list-style-type: none"> <li>• Do not touch hoses which are pressurised – fluid and air escaping can cause severe injury</li> <li>• Exercise care when handling rough or sharp objects</li> <li>• Ensure that work pieces are secure on table and not liable to fall (Use v-blocks to hold round stock pieces in place)</li> <li>• Use "soft" metal block (brass, copper etc) or packing piece between ram and work piece to prevent damage or slipping due to metal-to-metal contact</li> <li>• Check alignment and stability of work before applying pressure with ram</li> <li>• Metal may fracture or shear under load resulting in pieces of metal being ejected from work pieces at high velocity</li> <li>• Raise table in preference to using longer packing to maintain contact between ram and work piece</li> <li>• Operate from a distance away equal to the length of the remote cord</li> <li>• Remove all packing etc and clean table after use</li> <li>• Emergency stop button is within immediate use.</li> </ul>

<b>Maintenance</b>	<p><b>Hazards</b></p> <ul style="list-style-type: none"> <li>• Manual Handling – Adjusting Table Bed for cleaning</li> <li>• Pressurised Fluid and Air, system to be de-energised prior to work</li> </ul>
	<ul style="list-style-type: none"> <li>• Inspect all hoses, fittings and couplings are tight and leak free</li> <li>• When connecting/disconnecting hoses or fittings system pressure MUST be at "0" psi/bar</li> <li>• Exercise care when raising or lowering table</li> <li>• Remove all loose parts, plates, blocks etc before adjusting table</li> <li>• Ensure that the table is level and that all table pins are inserted fully and locked in position</li> </ul>