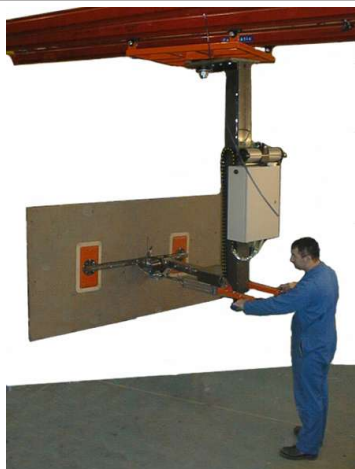


Barlow



REF NO: PL-VG-001

FEATURES: Pillar Lift lifting and rotating 100kg boards, mounted on overhead crane system.

Offset load applications limit the solution you can provide only PillarLifts and Manipulators are suitable for this. Illustrated here is a Pillar Lift handling wooden boards and steel sheets from a rack using vacuum grip.

Turning 90° to horizontal and placing on laser cutting machine. The unit has 1200mm stroke and comes complete with audible warning system as standard in case of mains air failure This unit handled boards and sheets with an 800mm cantilever of 120kg.

Seven Seas



REF NO: M-VG-002

FEATURES: Manipulator with vacuum grip handling ceramic pots in and out of shelves/racking

Even light duty products become difficult to handle when operators need to reach in and out of shelves/racking in confined areas. A manipulator is ideal to solve this problem. Shown here is a ceramic pot weighing 30kg which required handling from a shelf and placed in an oven. The unit

incorporated a manual 180° rotary feature on the suction cup assembly to turn the ceramic pot upside down as part of the process. The pot contained vitamins so the main support arm was manufactured from ss304.

Dyson Appliances



REF NO: M-VG-003

FEATURES: Manipulator with vacuum grip and 90° powered rotation handling washing machine components on production assembly line

Production line handling of bulky components can be a two operator function. This manipulator handles loads up to and gives fine control to allow the operator to place the load into the main machine (washing machine) then bolt to the fixing brackets before releasing. Due to overhead conveyor restrictions the unit was designed to be compact but still allowing effortless lifting. With vacuum grip and pneumatically operated 90° rotation this was a payback situation to the client immediately.

Scottish Courage Brewery



REF NO: M-PG-004

FEATURES: Manipulator with pneumatic core gripper handling 100kg reels from vertical to horizontal with additional pneumatic reel push/pull mechanism

Packaging machines have never taken into consideration the manual handling requirement to load and unload reels. Many machines are guarded and need 2-3 operators to load and unload with the risk of operator injury or product damage. Palamatic solved this by designing a manipulator to lift reels from vertical to horizontal and place on spindles in a packaging machine. The added design of push-pull feature ensured the reels could be placed on and removed from the spindles by a single operator which eliminated Health and Safety issues and increased productivity with reduced product damage.

Reed Hycalog



REF NO: PL-PG-005

FEATURES: Pillar Lift mounted on overhead gantry with pneumatic grip and manual 180° rotation of 250kg castings

Heavy duty offset loads handling high temperature drill bit castings was the challenge for Palamatic in this case. The application was to lift 250kg moulds from a furnace, rotate the mould to discharge any slag and place into a pressing machine. Palamatic provided our Pillar Lift with pneumatic gripper and geared handwheel rotation. The unit was supported from a 9m x 5m 'H' style gantry system. Linear glide rails and precision tooling solved the clients problem. What was a 2-3 man operation is now 1.