

Pearson Equipment Construction Levels

The following information describes the different construction levels available for Pearson equipment.

Mild Steel

Intended for dry environments. All fabricated steel parts, including the frame, are made from mild steel and powder coated.

- Mild steel powder coated frame
- Mild steel and aluminum manufactured parts
- Guide rods are steel 60 case
- Painted or plated bearings, skate wheels and rollers
- Painted or plated gearboxes, blowers, and motors (Including servos where applicable)
- Standard black oxide or no finish sprockets, pulleys and gears
- Standard chain
- Electrical components IP40 rated or greater
- Electrical fittings IP40 or greater
- Mild steel powder coated Main Electrical Enclosure (Non-sloped)
- All other enclosures are NEMA 4X mild steel powder coat and/or fiberglass
- Top entry into electrical enclosures allowed
- Zinc plated or stainless steel fasteners
- Stainless steel or plastic sliding adjustment contact surfaces (some legacy machines are excluded from this, consult PPS).
- Mild steel feet or zinc plated adjustment screw, with stainless insert in plastic feet
- Valves, IP40 minimum
- Aluminum finish – none
- Standard glue heads and hoses (Glue models only)
- Standard cylinders
- Stainless steel drive shafts
- Mild steel collars and couplings

Stainless Steel

not offered on all machines, consult PPS

Intended for dry, non-caustic, non-clean design environment but will accept exterior surface condensing water moisture. Specifically designed to protect components from oxidation, but does not include protection from airborne corrosives. Cleaning must be done with a damp cloth.

- Stainless steel frame
- Stainless steel and aluminum manufactured parts
- Guide rods stainless steel or armoloy coated mild steel
- Bearings are stainless steel, composite, or polymer with stainless steel or corrosion resistant inserts
- Stainless or plated skate wheels and rollers
- Painted or plated gearboxes, blowers, and motors (Including servos where applicable)
- Stainless steel, plastic, or plated sprockets, pulleys and gears
- Nickel plated chain
- Electrical components IP41 rated or greater
- Electrical fittings IP41 or greater
- Stainless steel NEMA 4X Main Electrical Enclosure (Non-sloped)
- All other enclosures NEMA 4X stainless steel or composite (Non-sloped)
- No top entry into electrical enclosures
- Stainless steel fasteners
- Stainless steel or plastic sliding adjustment contact surfaces (some legacy machines are excluded from this, consult PPS).
- Stainless steel feet or zinc plated adjustment screw, with stainless insert in plastic feet
- Valves, IP41 minimum
- Aluminum finish – none
- Standard glue heads and hoses (Glue models only)
- Standard cylinders
- Stainless steel drive shafts
- Stainless or plated collars and couplings

Wash Down, Low Pressure

(4.3psi or less at 10 ft) not offered on all machines, consult PPS

Construction upgrade package for stainless steel machines. Intended for non-caustic, non-clean environment. Low pressure water option specifically designed to protect against low pressure jets of water from all directions (limited ingress). Lead times for this option may add 3-5wks to overall build cycle.

- Stainless steel frame
- Stainless steel and aluminum manufactured parts
- Guide rods stainless steel or armoloy coated mild steel
- Bearings are stainless steel, composite, or polymer with stainless steel or corrosion resistant inserts
- Stainless or plated skate wheels and rollers
- Epoxy painted or stainless steel gearboxes, blowers, and motors (Including servos where applicable)
- Stainless steel, nickel plated cad plated or plastic sprockets, pulleys and gears
- Nickel plated chain
- Electrical components IP65 rated or greater
- Electrical fittings IP65 or greater (plastic or aluminum)
- Stainless steel NEMA 4X Main Electrical Enclosure (Non-sloped)
- All other enclosures NEMA 4X stainless steel or composite (Non-sloped)
- No top entry into electrical enclosures
- Stainless steel fasteners
- Stainless steel or plastic sliding adjustment contact surfaces (some legacy machines are excluded from this, consult PPS).
- Stainless steel feet or zinc plated adjustment screw, with stainless insert in plastic feet
- Valves, IP65 minimum
- Aluminum finish – none
- Water wash glue heads and hoses (Glue models only)
- Aluminum or stainless steel pneumatic cylinders
- Stainless steel drive shafts
- Stainless steel collars and couplings
- Brady thermal engraved labels on exterior machine devices

It is the purchaser's responsibility to determine the applicability of the above construction levels for the specific environments that the machine will be installed and operated in. Unless specifically stated otherwise, all machines are subject to Pearson Packaging Systems' standard warranty, regardless of the construction level selected by customer.

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