Processing Plant Hazards: From Pinch Points to Chemical Burns Picture This



This image shows a worker in a busy processing plant standing near a conveyor system as product moves quickly through rollers and mechanical equipment. The worker reaches

in to clear a jammed piece of material, and their glove comes dangerously close to an unguarded pinch point where moving parts can grab and crush fingers or hands instantly. At the same time, chemical cleaning supplies are stored nearby, and the floor is damp from washdown procedures, adding another layer of risk.

Processing plant hazards are often hidden in routine tasks—clearing jams, adjusting equipment, or handling caustic chemicals during sanitation. Pinch-point injuries can cause amputations or crushing trauma, while chemical splashes can lead to severe burns, permanent skin damage, or eye injuries. Always follow lockout/tagout procedures before servicing equipment, keep guards in place, wear proper chemical-resistant PPE, and treat every cleaning chemical as a serious hazard. In processing environments, the combination of machinery and chemicals makes safety awareness critical every moment.