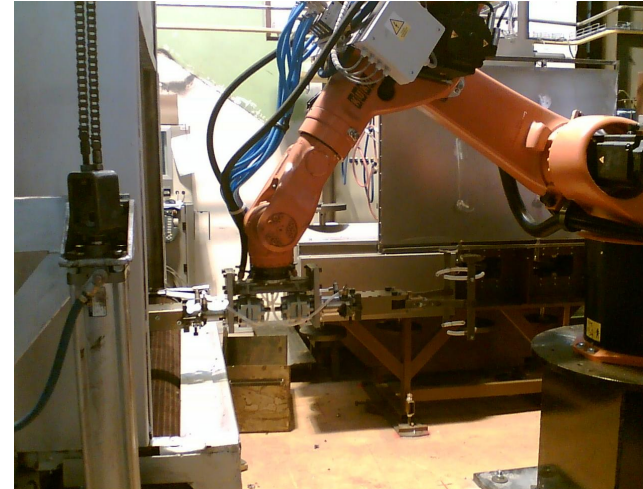




Robotic workplace – manipulation with vases

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Investor	Sklo Bohemia a.s., Světlá nad Sázavou, Czech Republic
Realization	2004 – workplace 1 2005 – workplace 2 2006 – workplace 3
Machinery delivery	Bohemia Machine Ltd., Světlá nad Sázavou Czech Republic
Workplace specification	§ Robot KUKA KR30/2 (workplace 1) § Robot KUKA KR60/3 (workplaces 2, 3)
Control system	§ KUKA KRC2 § I/O's InLine of PHOENIX CONTACT § Field bus DeviceNet, OPC server

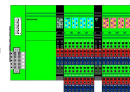


Robot in front of aftercooling furnace

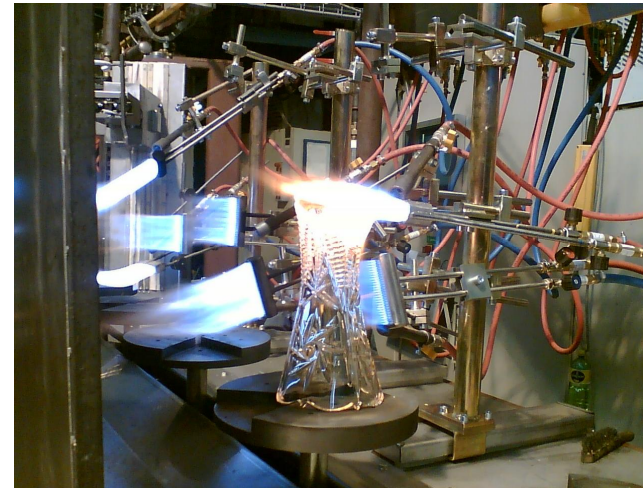


KRC 2

Device Net



Phoenix IL
Device Net



Withdrawal place from the polishing machines