

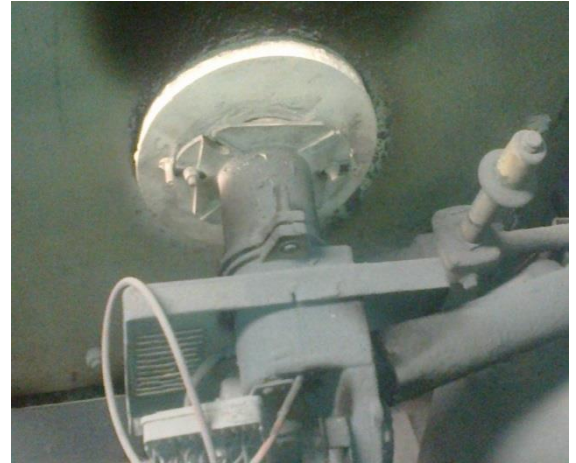
# LPG gas burner replacement

**Location:** Alucoating Ltd., Sri Lanka

**Process:** Powder coating unit

## Before

- Inbuilt blower was damaged so the combustion air was supplied using an external blower fan
- Black smoke emanating from the oven indicated inefficient combustion
- There were no controls for gas and air supply which led to high fuel combustion



## After

- The burner was replaced with new forced draft gas burner which has an adjustable rate of burning
- Liquid Petroleum Gas (LPG) consumption has been reduced from 7.15 kg to 5.89 kg for processing a batch of coated material



## Costs/benefits

**Cost:** LKR 270,000

**Payback:** 21 months

**Annual savings:** LKR 157,300

(1,513 kg of LPG)

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