

Application profiles courtesy of:

## APPLICATION 03:

### UNIST ROLLER LUBRICATOR REPLACES PAINT ROLLERS Car Radiator Component Manufacturer

#### The Problem:

A very traditional manual antiquated method of applying the oil via a PAINT ROLLER. The operator would dip his roller in oil and apply it to the coil when he remembered. The whole operation was messy, dirty, time consuming and random in the application. Furthermore the spilt oil on the press and on the ground then had to be cleaned up, adding to the inadequate method of applying the right amount of oil.

#### Tooling Configuration:

This was not a consideration in this application, as the tooling did not require any changes.

#### The UNIST Solution:



PSA recommended an RL18-P-B-P & RL24P-B-P roller lubricator with Polyurethane foam rollers and pneumatic cylinder on the top roller as standard. This unit was an improvement on the previous method especially because the previous method did not apply oil to the bottom of the strip where a critical drawing operation took place.

#### Justification:

The project was justified simply on the increased production, savings in oil and the labour cost applying the oil.

#### Pay Back:

Pay back was calculated at less than 6 months

#### Conclusion:

The result was excellent, this line now runs fully automatically, no mess, no more paint rollers and dip trays.

#### Future Action:

Additional orders have been placed for more units, as the company is very happy with the reduced cost of oil and reduced costs in cleaning up the mess.

