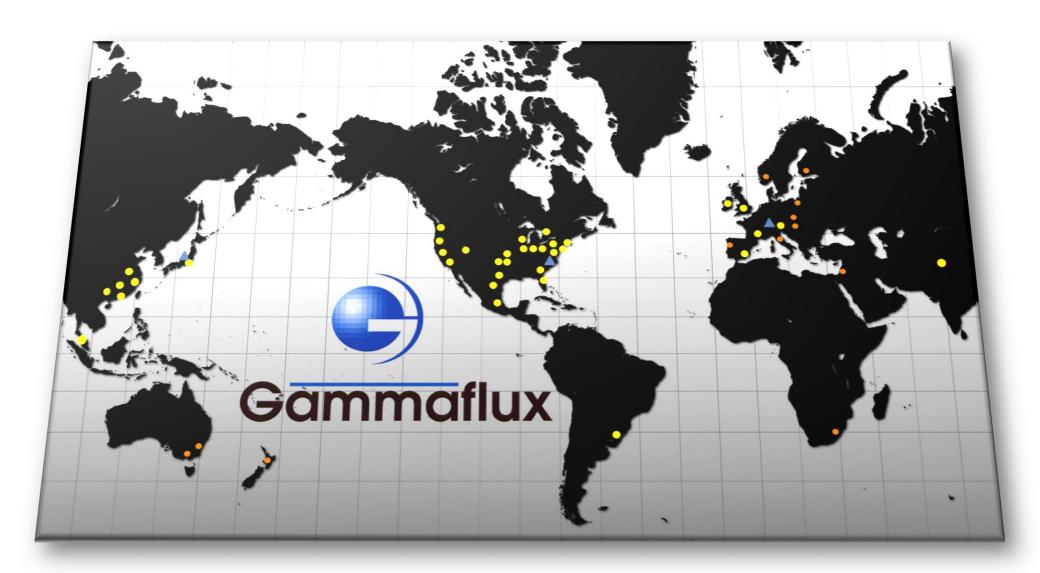


Temperature
Controllers for
higher and
consistent
Product Quality

Locations and contacts around the World



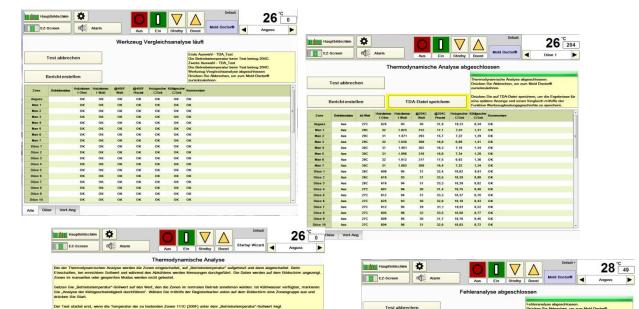
Mold Doctor Advanced Diagnostics tool

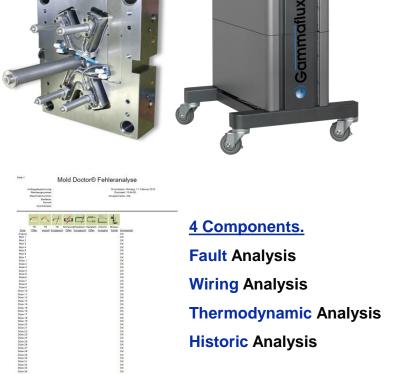
- ✓ Reduces time required for start up.
- ✓ Allows Scheduling of Preventative Maintenance.



Mold Doctor Advanced Diagnostics tool

- ✓ Reduces time required for start up.
- **✓** Allows Scheduling of Preventative Maintenance.



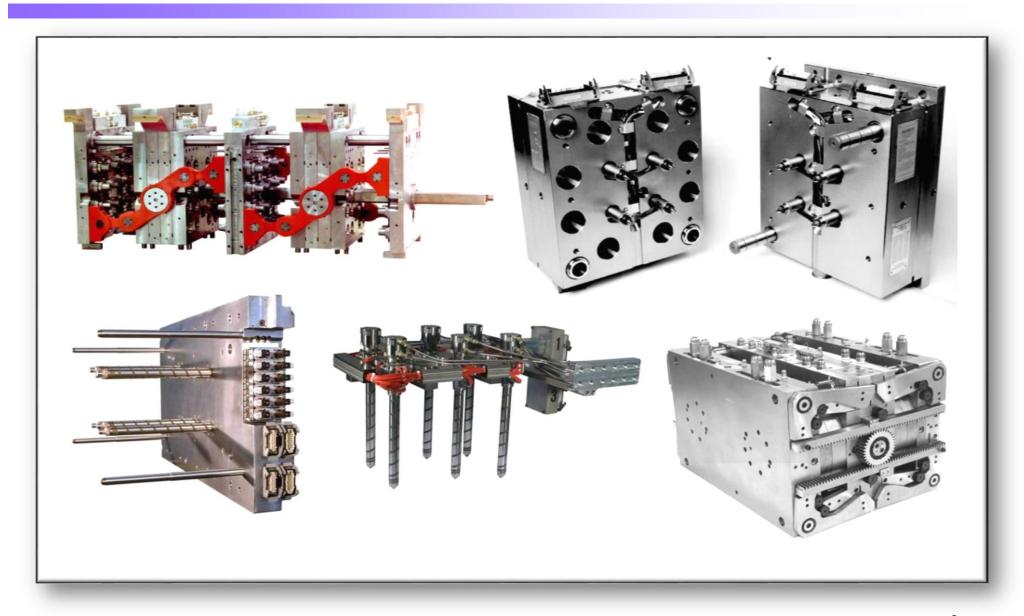


29/04/2009

Mold Identification



Mold Identification



Possible Savings with Mold Doctor (Example 3)

100 Injection Molding Mashines between

Working Days - 7 Days/46 Weeks.

> 3 Tool Changes per Day

Per Change 5 Hrs at 64 Euro x 2 Toolmakers

> Total T.C. Cost 966 x 640 Euro

400 and 1200 T.

= 322 Days

= 966 T.C.

= 640 Euro

= 618,240 Euro

```
♦ 1 Tool Changes/Week have to be removed. = 46 Tool removals
```

♦ Lost Working hours $46 \times 5 \times 64 \times 2$ = 29.440 Euro

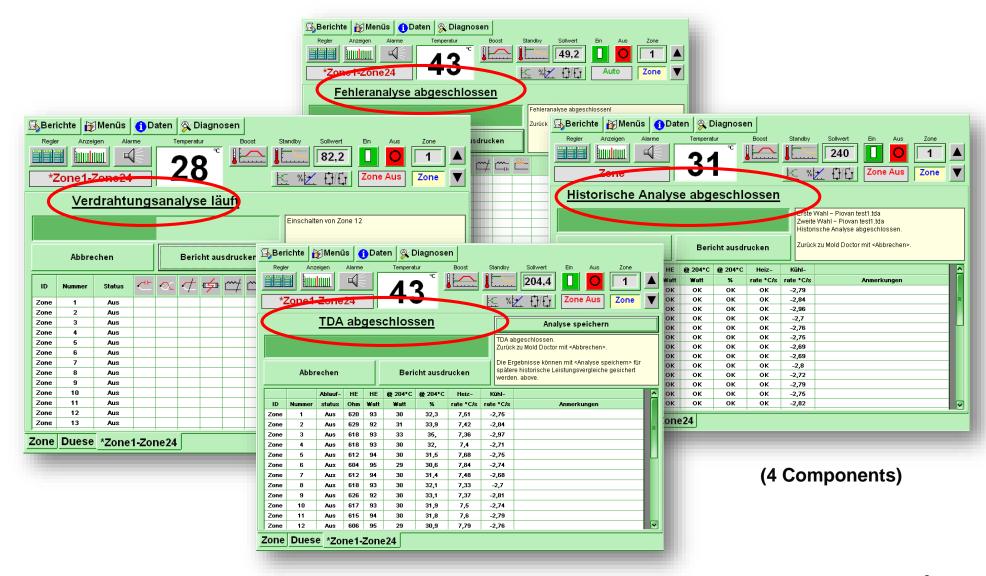
 \bullet Tool removal time 3 Hrs x 2 x 64 x 46 = 17.664 Euro

 \bullet Re-Instalation time 2 Hrs x 2 x 64 x 46 = 11.776 Euro

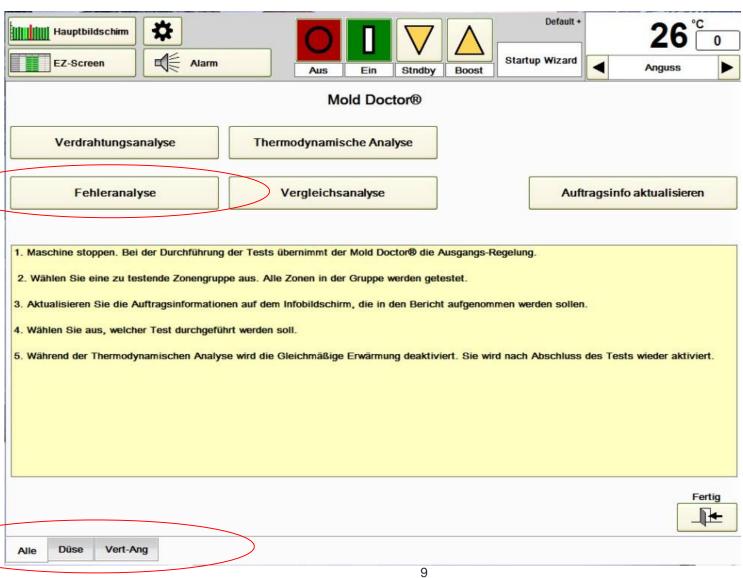
♦ Total Cost = 58.880 Euro

- **§48 Zonen Controller price = 14.502.- €**

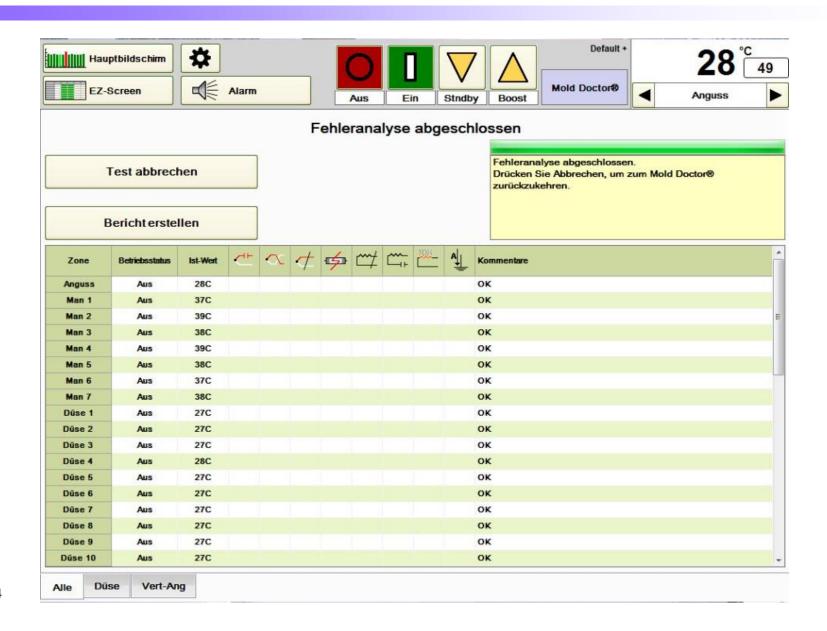
Mold Doctor is an offline mold troubleshooting diagnostics tool



Mold Doctor



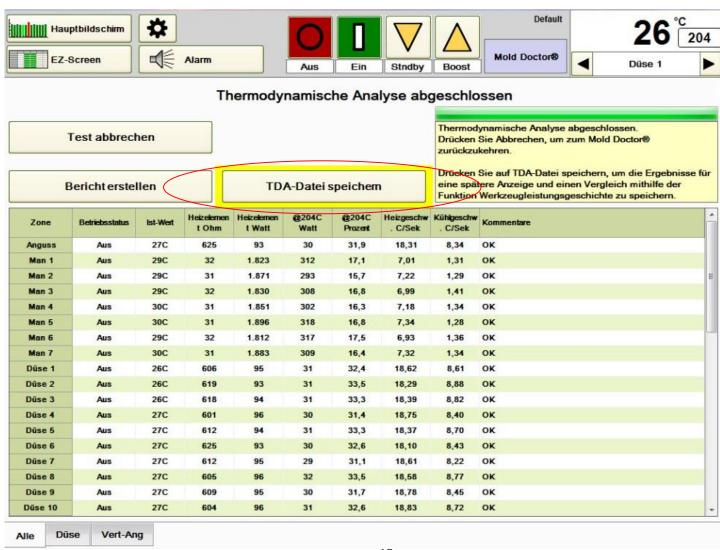
Fault Analyse II



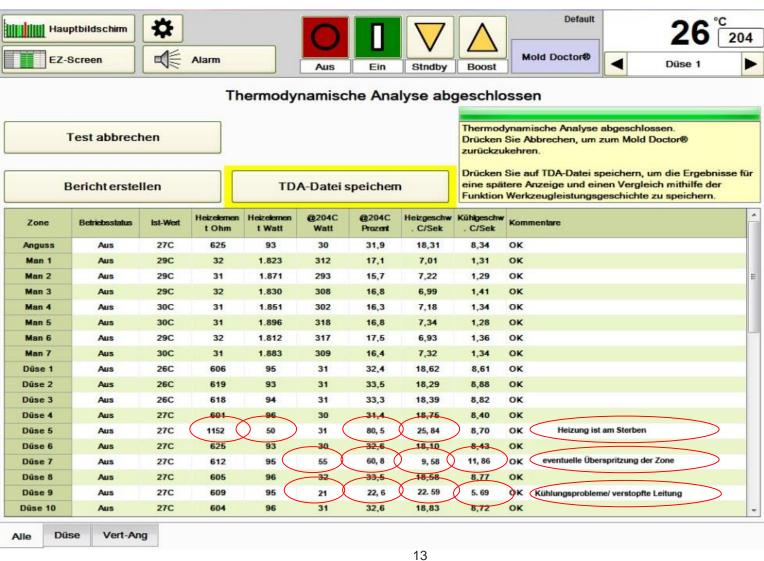
Wiring Analyse II



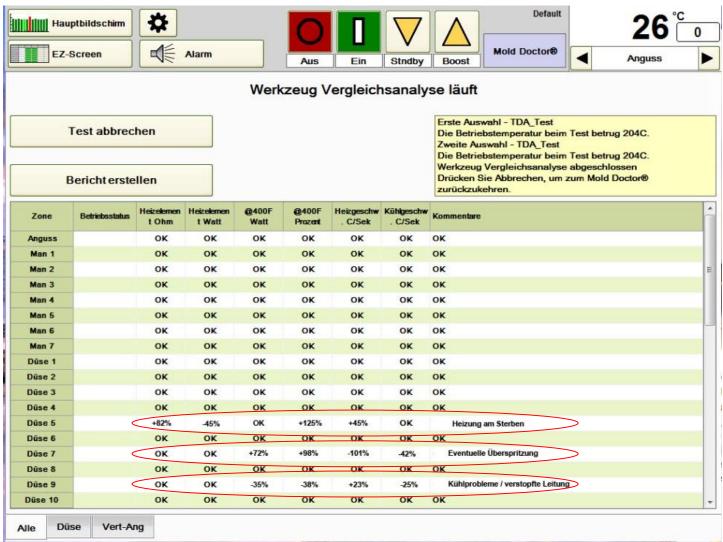
Thermodynamic Analyse I



Thermodynamic Analyse II (eventuell mit Problemen)

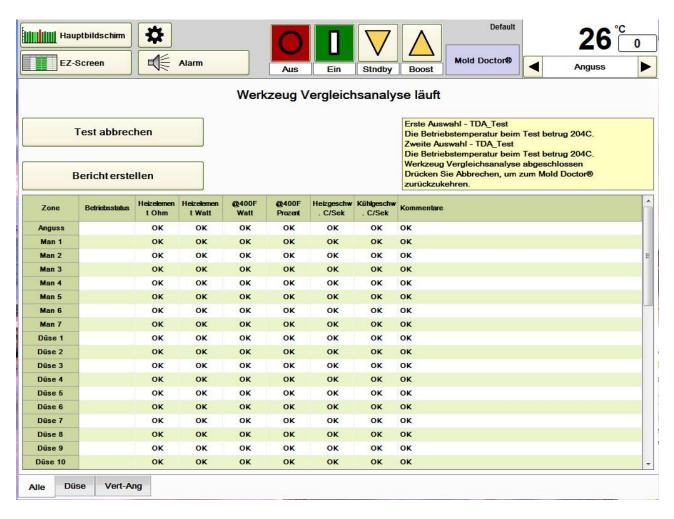


Historical Mold Performance Report



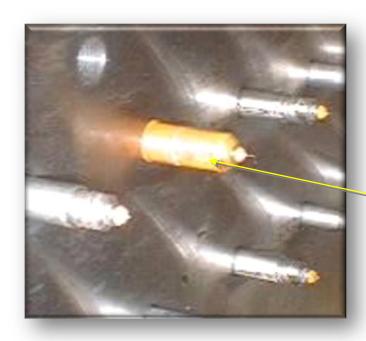
06/11/2014 14

Mold Historical Analysis (MHA)



1. Compare of 2 Thermodynamic Analysis

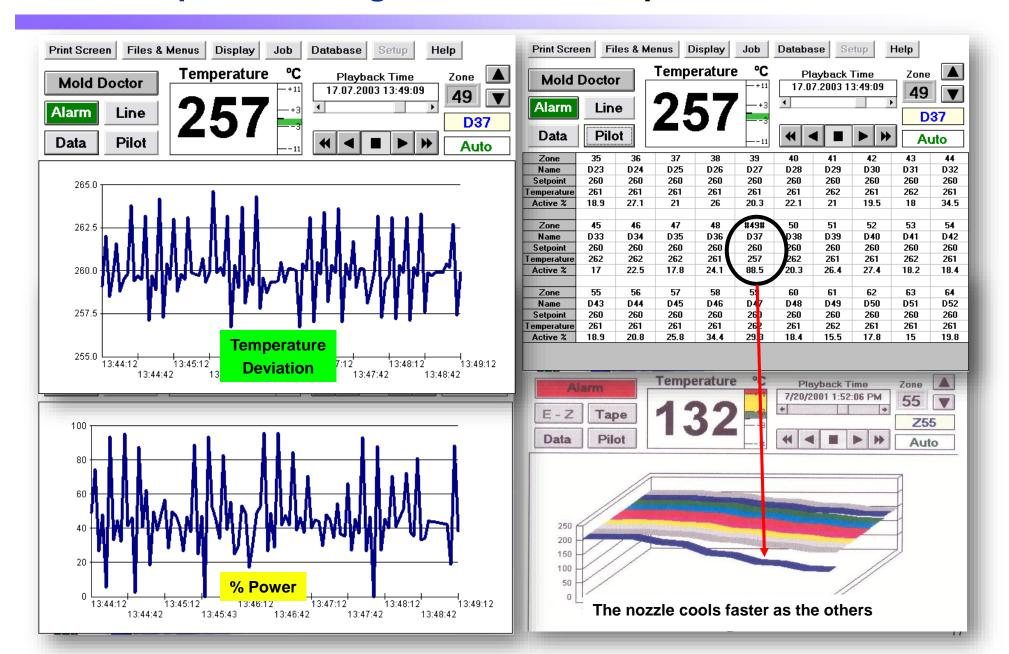
Result: Leaking Nozzle



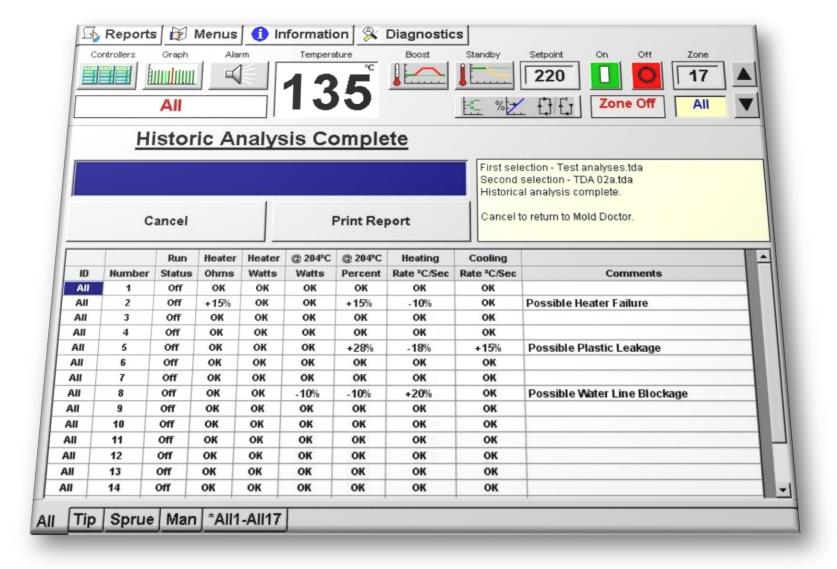
- 1. Production loss
- 2. Labour costs
- 3. Replacement costs
- 4. 4,000 Euro
- 5. Up to 10,000 Euro



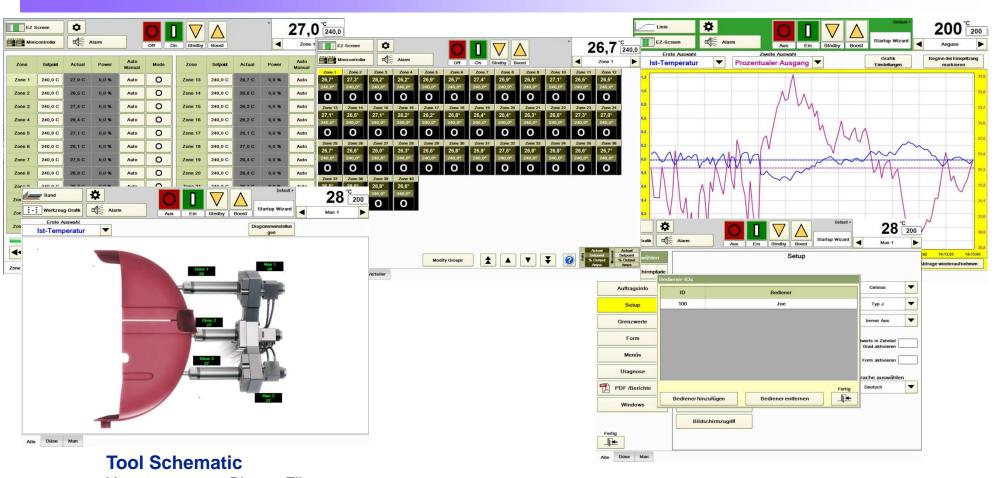
Effect of plastic leakage on the nozzles performance



Historical Mold Performance Report



Some other Graphic displays available



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You can create a Bitmap-File And insert the drawing for easer Problem Identification

Changing Languages:

English, French, 06/11/2014 Italian, German, Czech, Russian, Other Languages will be added.

Operator Identification

List can be made to **Identify Personnel**

Operator Changes can be Printed in a report

Other Options

