



MATRIX INTERNATIONAL (UK) LTD.

SPECIAL HEAT TREATMENT CONSIDERATIONS & STANDARDS

Heat Treatment Industry

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1 Heat Treatment Specific Standards

1.1 The ISO/TC 244 Standard

ISO/TC 244 encompasses 11 standards covering Industrial furnaces and associated processing equipment

1.2 Implementation

To enable these improvements, ISO 22000 operates in a loop of what can be abstracted to Leadership → Planning → Support → Operation → Performance → Evaluation → Improvement which then loops back round to the Leadership to implement such improvements for the next iterative cycle.

1.3 Limitation and Extentions

Despite a generalised standard, each implementation is different. Hence Matrix develops a specific mode of operation specific to each task borrowing from other complementary standards which may apply to the system aswell as incorporating any standard the customer requests.

This ensures effective work beyond the minimum of the international Heat Treatment Standards.

2 Heat Treatment Integration Concerns

2.1 Existing Computer Systems & Protocols

An Heat Treatment industrial control system must interact with other computerised systems. Integrating with these seamlessly can often require adapting to and understanding said bespoke systems.

Hence, Matrix employs a Agile stratgy of work with development operations being flexible to fit around specific or changing customer requirements.

2.2 Maintenance & Support

The Heat Treatment is a demanding one, inso far as it operates 24/7.

To Aid such operation, Matrix offer increased comperterised maintence protocols and 24/7 support for all implementations aswell as an extensive method statement portofilio for each project which

is delivered along with each implementation to aid on site maintenance work to tackle common issues.

3 Upgrading & Adapting & Analysing

As with most industries, the Heat Treatment industry is everchanging.

To help improve systems, Matrix offers an integrating analysis platform with each product so that the customer can track quality management as per the international standards independently of Matrix.

This aids the customer in planning upgrades and seeing where one would be beneficial. With Computer APIs, rigorous documentation and build in extensibility, upgrades are easy to be done internally or from any external vendor.