

- **Reports** Generator. Reports are produced for:
 - Roll shop:- *Stock loss, Grinding(summary and detail)*
 - Management:-*Roll building reports, Grinding by machine/operator*
 - Accountants:-*Fleet remaining value, Costed stock loss, rolls received/scrapped*

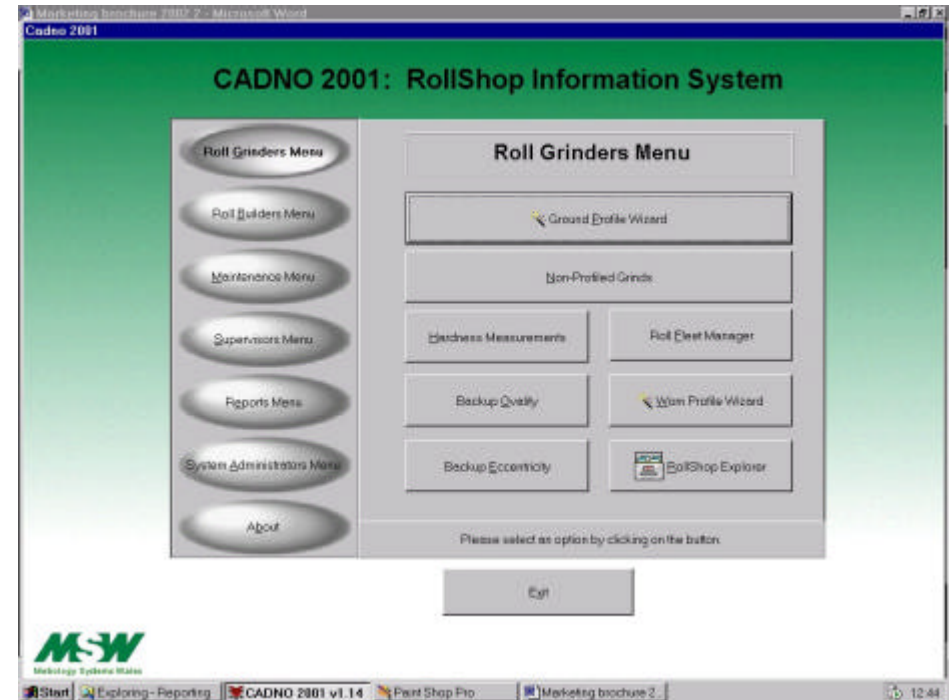
These reports are accessed by the same, convenient 'explorer' format as used in the roll shop explorer. In addition, the system includes a reports generator that enables users to generate reports with any content and in any desired format. Reports generated in this way are stored in the central database and so are available to all authorised users on the network.

| Roll ID | New | Supplier | Initial Diameter (mm) | Dia (mm) | Minimum Diameter (mm) | Stock Remaining (mm) | No. Rolls | Status |
|---------|-----|----------|-----------------------|----------|-----------------------|----------------------|-----------|--------|
| 888 | MSW | MSW | 441.75 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 889 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 890 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 891 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 892 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 893 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 894 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 895 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 896 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 897 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 898 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 899 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 900 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 901 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 902 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 903 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 904 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 905 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 906 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 907 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 908 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 909 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 910 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 911 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 912 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 913 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 914 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 915 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 916 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 917 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 918 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 919 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |
| 920 | MSW | MSW | 441.00 | 440.00 | 430.00 | 20.00 | 4 | OK |

Metrology Systems Wales

Roll Management System

Comprehensive Management of Mill/Roll-Shop Operations



This is a brief introduction to the MSW Cadno 2001 Roll Management System. The facilities and features of the package are described more fully in the MSW accompanying document "Description of the MSW Roll Management System" available on request.

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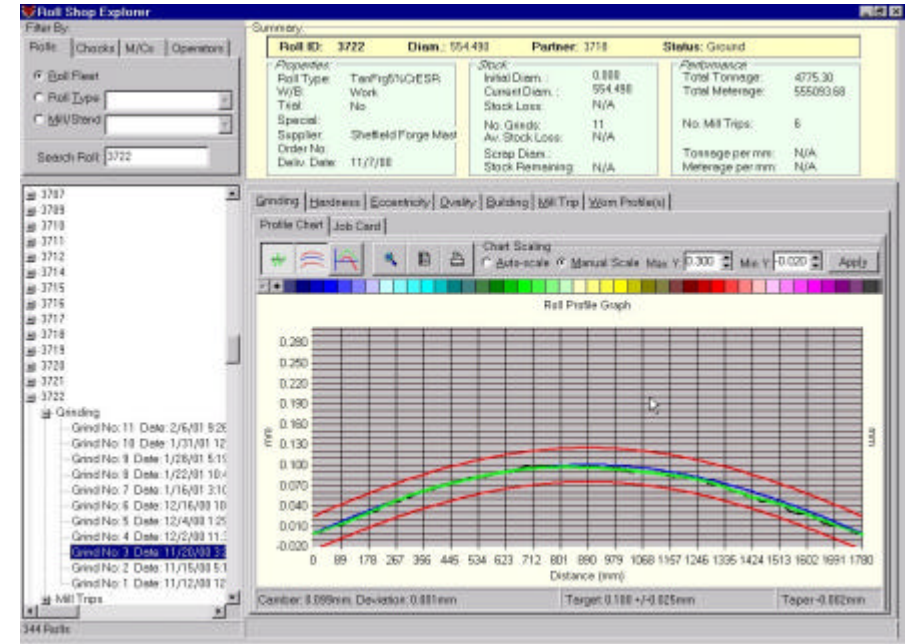
The Cadno 2001 Roll Management System is a Microsoft Windows based software system that uses a powerful SQL 7 database to manage the operation of roll shops.

Features

Many powerful features are provided by the package, including:

- Easy **recording of data** for each stage of roll shop operations
 - **Roll grinding**, including roll profile
 - **Associated measurements**
 - Surface texture
 - Hardness
 - Ovality/Eccentricity
 - **Roll Building/Chocking**
 - **Chock/Bearing maintenance**
- **Roll tracking**
 - **Integrates with mill computer networks** (Gathers tonnes/metres rolled)
 - **Tracks the status** of rolls through grinding/building/mill-trip
- **Fleet management**
 - **Handles entry of new rolls**
 - **Handles roll scrapping**
 - **Provides comprehensive 'view/search' of fleet**
 - As pairs/singles
 - Of nominated roll type
 - For nominated mill/stand
 - **Provides re-mating facility** so as to minimise stock loss to re-mate
 - **Handles damaged rolls** – records reclamation process
- The **Roll Shop Explorer** provides a comprehensive facility for viewing historical records of roll-shop operations, including
 - **Grinding History**
 - **Roll Building History**
 - **Mill Trip History**
 - **Damage Event History**
 - **Hardness Measurement History**
 - **Ovality Measurement History**
 - **Eccentricity Measurement History**

A summary for the roll selected is displayed and the roll can be selected from a 'tree' of rolls. This tree can be configured to contain *the entire fleet, rolls of a nominated type, rolls legal for a nominated stand, rolls ground on a nominated machine between nominated dates, or rolls ground by a nominated operator between nominated dates.* This gives complete flexibility in reviewing key data for roll-shop management purposes.



Benefits

It brings the following major benefits to roll shop operations:

- **Optimisation of spending on rolls** by providing accurate **Roll Performance Figures**
 - *Enables comparison between roll suppliers*
- **Accurate and reliable** general performance reporting
 - Grinding operations
 - Stock loss
 - Roll building/chocking
- **Fleet management** functions
 - *'Intelligent' mating of rolls to minimise stock loss*
 - Damaged roll handling
- **Reduced chock maintenance costs**
 - *Chock/bearing maintenance can be scheduled against:*
 - **Tonnes rolled**
 - **Metres rolled**
 - **Time spent in mill**
 - **Elapsed time**
- **Accountants** reporting