

e Cast

Enterprise Resource planning
For
Foundry Technology

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Integrated Solution
For
Foundry Technology

Key Features

- It is a right solution for foundry & casting manufacturing companies.
- The system enables you to take quick manufacturing decisions based on customer delivery schedule, material disposition and resource availability.
- It helps to plan monthly production in line with customer requirement, Material Requirement Plan (MRP), and process utilization plan.
- Functional Integration - Marketing, planning, Production, pattern shop, Material, Stores, Quality, Sales, Accounts and HR.
- FIFO concept of material receipts & issues for accurate inventory & traceability
- Heat count traceability – furnace charging, melting & pouring reports
- Integration with test equipments. Test data & reports in e Cast
- Rejection analysis graphical reports for better cost control & customer satisfaction
- Workflow automation with Cost and operational controls.
- Maximum utilization of resources –Material, Machines and Manpower.
- Advanced Application, Cost effective and value for money

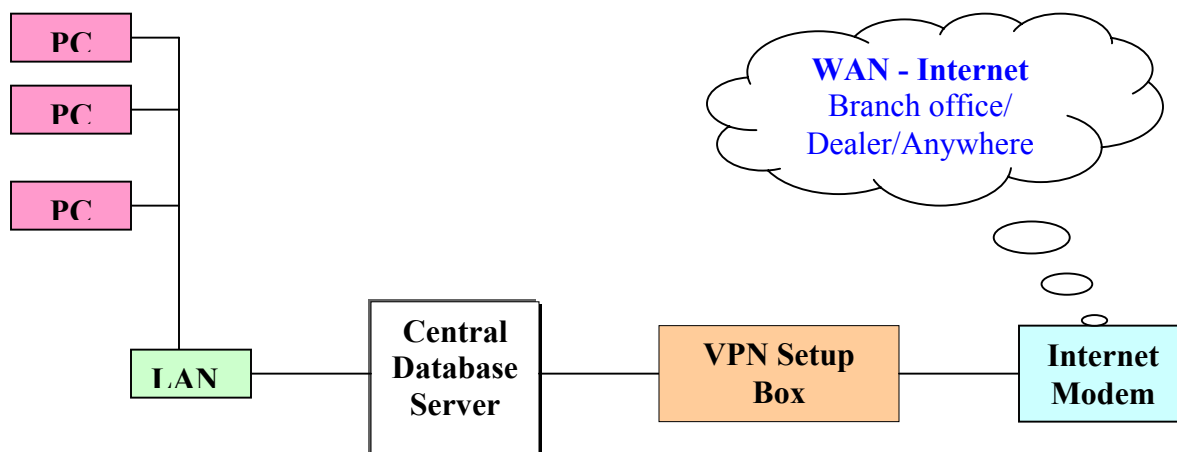
Information system for Foundry Technology
&
Change the way of business to grow in the market

Architecture

- Oracle on Windows/Linux/Unix/Solaris server operating system
- Oracle 6i Forms & Reports front end
- Strong, reliable and highly integrated client/server architecture
- Flexibility to expand and integrate with other applications
- Extranet features - connect to Marketing offices, Customers, Dealers, Suppliers,
- User-friendly Graphic User Interface and easy administration.
- Very good technical support and easy up gradation

Connectivity

It is client-server architecture on **Oracle** application; any number of users can be connected to central server through Local area network [LAN] and Wide area network/Virtual private network through Internet. It provides high level of data security & Control



Marketing Module

- ❖ **Enquiry** Registration of enquiry
- ❖ **Quotation** Preparation of offer based on the enquiry registered
- ❖ **Order acceptance** Sale order / Order confirmation to the customer.
Master data – customer details, product, tax and payment terms
Order acceptance is the input for monthly production plan. Customer wise product wise quantity and delivery date in monthly production plan.
Dispatch advice and Invoice is linked to order acceptance.
- ❖ **Contract Review** Contract review of an order to provide specific technical & commercial details.

Planning Module

- ❖ **Bill of material** BOM is the material required to make a product. It is the basis for Material Requirement Plan [MRP], Purchase indent, Product costing, material consumption per product, product re-engineering, etc.
- ❖ **Production Plan** Monthly plan based on delivery date
- ❖ **Work order** Information to Production dept to start production work.
- ❖ **Job Card** Job card /Route card to control section/operation wise production and on-line monitoring the production progress- work completed, rejection, etc.
Shift wise, section wise updation of produced quantity, rejection, machine down time, reason,
- ❖ **Machine Master** Machine details
- ❖ **Operation Master** Operation details
- ❖ **Part Master** Creation of Item/Product code, name, Unit, spec, etc

Pattern Shop

- ❖ **Pattern Register** Pattern details, core box details,
- ❖ **Impression** Max & actual impression, impression detail, lock after Max impression
- ❖ **Pattern stock** In & out registers
- ❖ **Drawing Register** Drawing details, revision No, date, etc
- ❖ **Pattern Repair** Repair details, repair cost, pattern history card

Production Module

- ❖ **Daily production Report** Data flow from work order. Daily updation of the progress with reference to work order.
- ❖ **Moulding Report** Preparation of mould, box No and pattern No.
- ❖ **Furnace charging** Charge time, raw materials used, test reports
- ❖ **Melting Report** Melting Plan, furnace charging, mould Box wise Pouring, Heat count
- ❖ **Production report** Operation wise production details based on Route card. Machine Hours, Man-hours utilisation
- ❖ **In-Process Inspection** Operation wise inspection reports. Rejections, reasons, Corrective actions, etc.
- ❖ **Stores Requisition Slip** Intimation to stores to draw material.
- ❖ **Stores return Note** Excess/rejected material return to stores.
- ❖ **Machines break Down slip** Intimation to maintenance in case of machine break down. Actions on machine break down with reasons & cost; input to machine break down analysis, m/c history card
- ❖ **Maintenance** Preventive maintenance due report & updation

Quality Module

- ❖ **Inward Inspection.** Supplier material inspection after goods receipts.
- ❖ **In-Process Inspection.** Inspection with reference to Daily production report.
- ❖ **Finished product Inspection** Final inspection after completion of DPR. Rejection analysis & corrective actions.
- ❖ **Customer rejection** Products rejected from customer, rejection analysis and corrective actions
- ❖ **Customer complaints** Complaints & feed back from customers, corrective actions.
- ❖ **Rejection analysis.** Graphical report of rejections.
- ❖ **Instrument calibration** Calibration history & calibration due of reports

Materials Module

- ❖ **Vendor assessment** Supplier assessment is mandatory for Purchase order.
- ❖ **Purchase Indent** Requisition for material purchase from user departments.
- ❖ **Purchase approval.** All indents group by items with total indent quantity will Display on screen. Approval based on the stock & requirement.
- ❖ **Purchase order [PO]** PO can be raised to the approved supplier for the approved items.
- ❖ **Conversion Matrix.** Raw material calculation for job order. Conversion from one unit of measurement to another or many raw materials to a Component.
- ❖ **Job order** Order for secondary operations/sub contracting.
- ❖ **Vendor rating.** Rating of vendor in terms of supply, quality, service, etc.
- ❖ **Purchase voucher** Note to accounts for payments to supplier

Stores Module

- ❖ **Goods Receipt Note.** Material inward to stores. Data flow from Purchase order or Job order. Quantity cannot be more than order quantity. Stock updation after inward inspection.
- ❖ **Stores issue** To Enter issue quantity. There should be Stock to issue
- ❖ **Stores Return Note** Return of excess/rejected items to stores
- ❖ **Delivery challan** Material go out of the factory through DC.
- ❖ **Non-moving stock** Items not moving for number of days, user may specify the days.
- ❖ **Stock Adjustment** Adjustment of physical stock to book/database
- ❖ **Stock opening balance** Updation of opening balance of each item
- ❖ **Scrap note** Rejected /non-moving items will be declared as scrap
- ❖ **ABC analysis** Inventory analysis
- ❖ **Consumption Reports** Dept wise, item wise, etc

Sales Module

- ◇ **Dispatch advice** Data flow from Order acceptance. Order closes after the advice. Finished product should be there for advice & quantity cannot be more than the order accepted quantity.
- ◇ **Packing list** Packing list based on the dispatch advice.
- ◇ **Invoice** Data flow from dispatch advice. Payment terms & tax from order acceptance
- ◇ **Sales Reports** Monthly sales, sales performance, order wise pending with graphical reports

HR Module

- ◇ **Manpower plan & Recruitment**
 - Resume databank
 - Manpower requisition
 - Interview letter
 - Appointment order
 - Manpower plan
 - Interview assessment
- ◇ **Employee data bank**
 - Personal
 - Education
 - Functional
 - Experience
 - Family
 - Career progression
- ◇ **Salary Administration**
 - Attendance
 - Leave application
 - Salary details
 - Pay slip
- ◇ **Training & Development**
 - Training needs
 - Training plan
 - Training budget
 - Training calendar
 - Training programs
 - Training evaluation

Accounts Module

- Auto receivables after Invoice
 - Auto debit note after purchase return
 - Auto credit note after sales return
 - Auto voucher after stock transfer to Branches and visa versa
 - Cheque number control
 - Cheque printing option
 - Customer Credit Limit and approval control
- ◇ **Masters** Group, Subgroup, G Ledger, Sub Ledger,
GL Balance and postings, Bank & Cash, Cheque Leaves, Purchase and Sales type.
- ◇ **Vouchers** PDC Payment/Receipt Bank, Cash and Contra Journal
Sales and Credit Note Purchase and Debit note
- ◇ **Reports** All Master list with Hierarchy - 6 levels
Dr/Cr Party wise reports with Address
All Vouchers in Printable format
PDC Payment/Receipt and Conversion and Cancellation.
Pending for Purchase Bill passing
Advance Receipt and Payment
Books & Registers
Monthly Group (GL) balance with drill down to voucher level
Cheque Return (bounce) for Payment/Receipt, Cheque Cancellation
Statement of Purchase/Sales Summary periodically
Bill V/s Ledger Balance Party wise
Outstanding Statement Dr and Cr. bill wise
Aging Analysis of Dr and Cr. – Based on Actual and Due date
Bank Reconciliation
Trial Balance, P&L and Balance Sheet
- ◇ **Miscellaneous**
Petty Cash (Defining maximum amount limit in Account level)
Search option for all Vouchers
Payable and Receivables search option
Invoice and Supplier bill wise control sheet.
Tax reports – Sales Tax, Service Tax, VAT, CST, ED and etc.,
Expense Statements
Purchase V/s Received V/s Payment for Creditors.
Credit Limit.