



Agenda

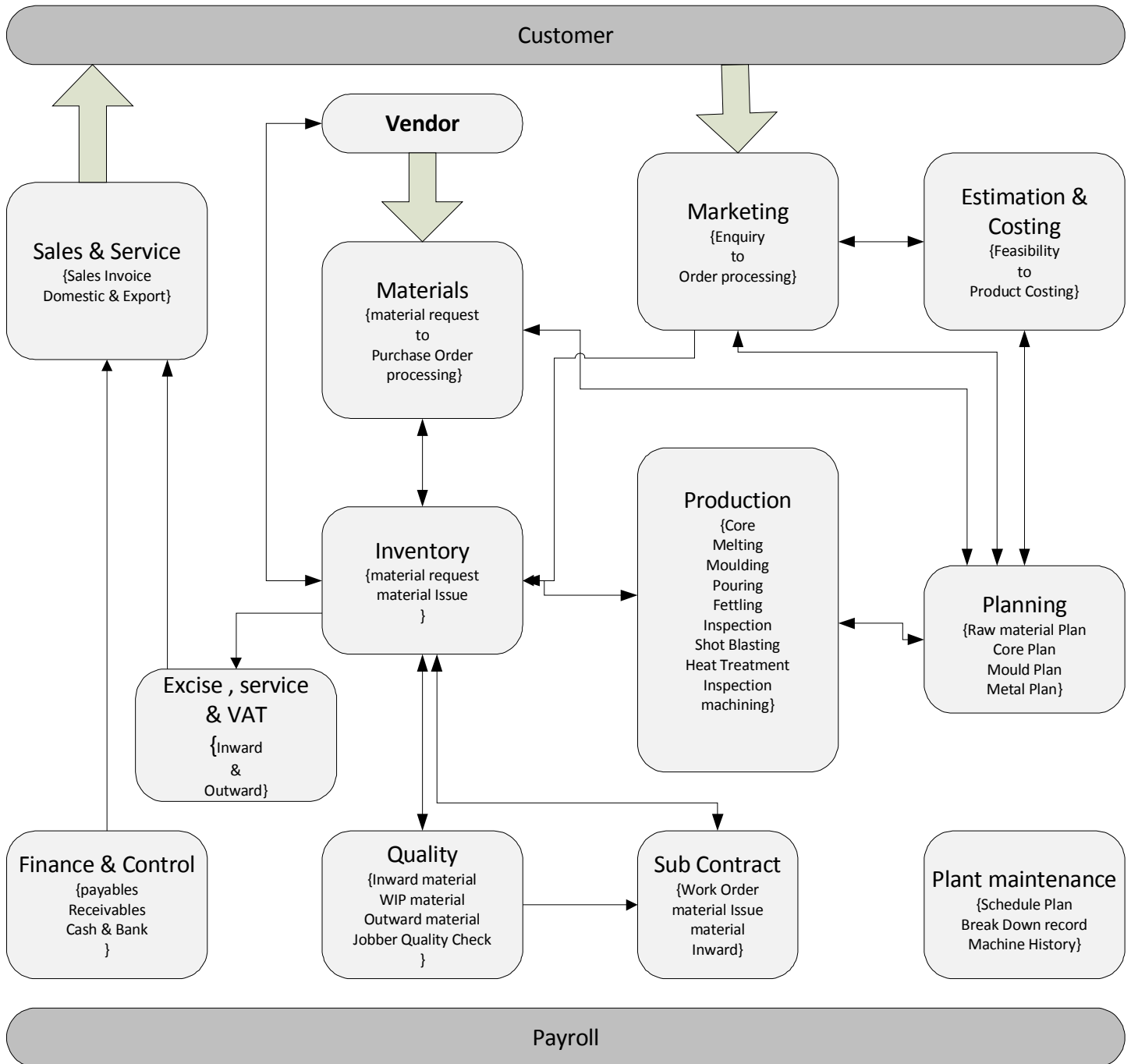
etEngine

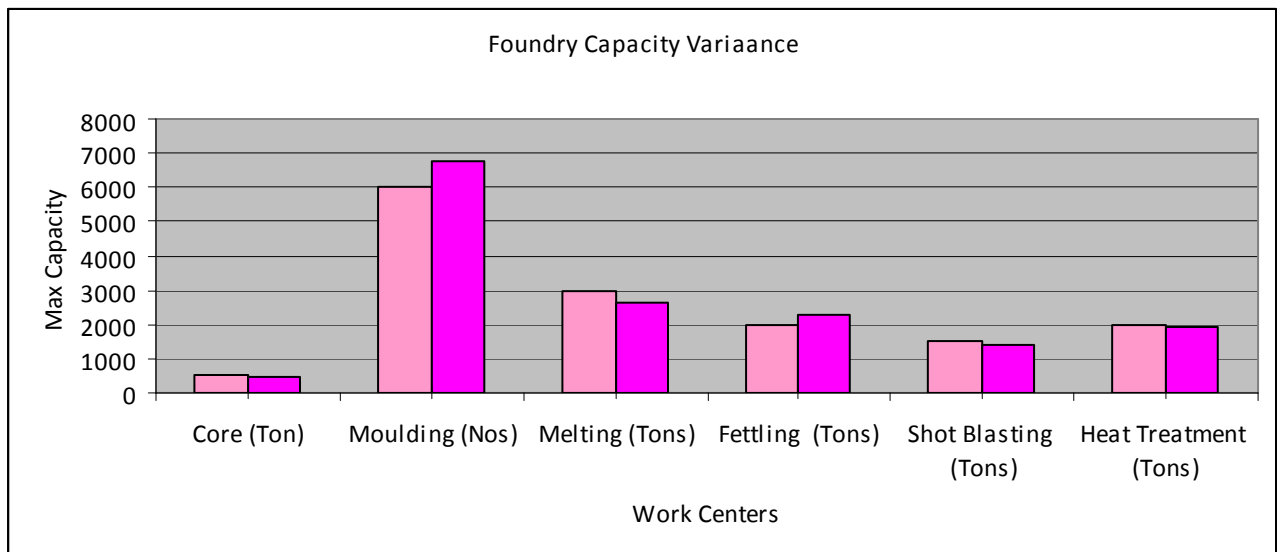
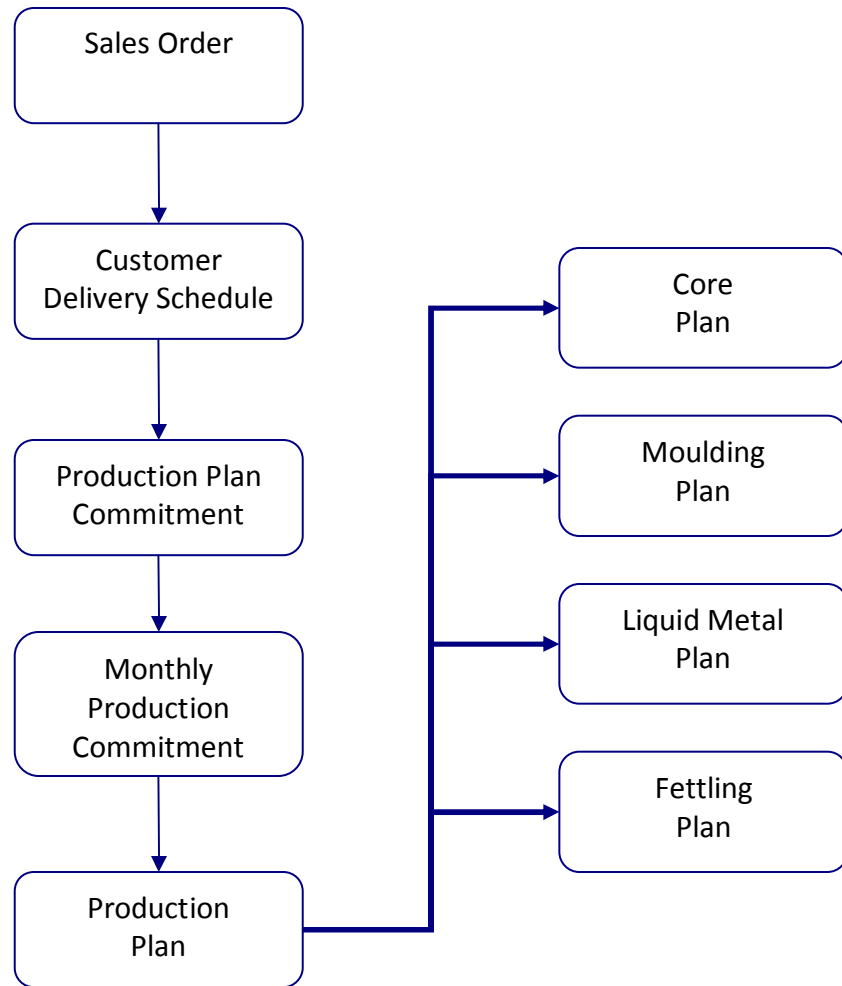
Capacity Planning

Prepared by: SPS INTRAD PVT. LTD.



etEngine-Foundry ERP -Collect, Analyze, Control & Decide for better profit





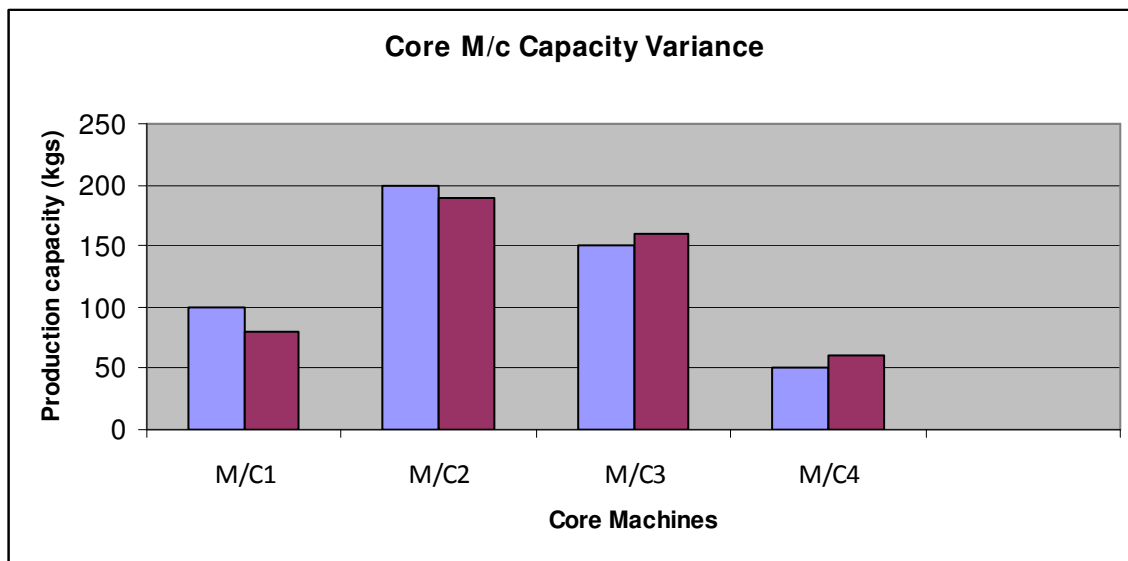
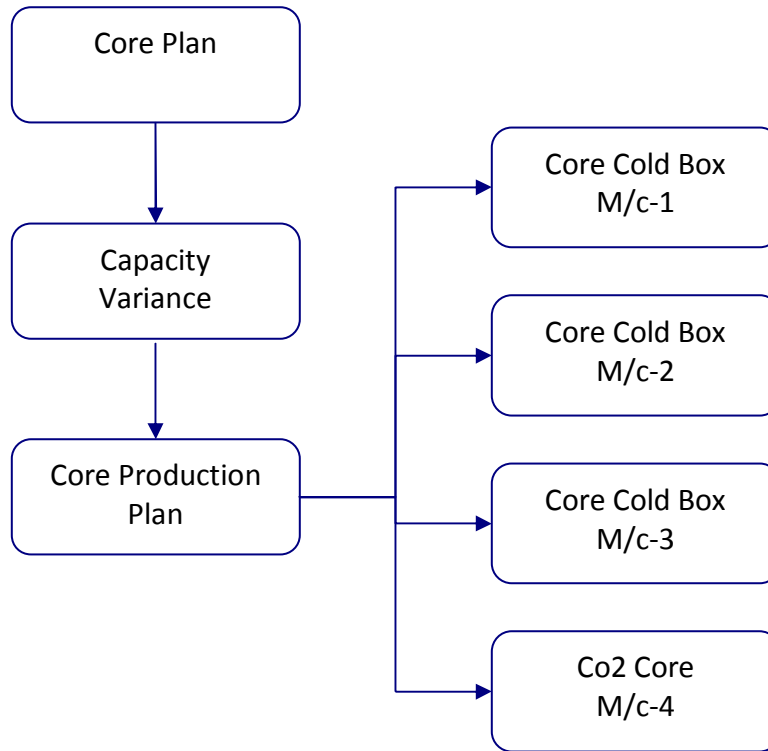


Foundry Planning & Capacity Variance



Input for production plan	Decision on delivery commitment
<ul style="list-style-type: none"> ✓ Sales Order for marketing team ✓ Delivery schedule for customers <ul style="list-style-type: none"> ○ Monthly ○ Weekly ○ By Date 	<ul style="list-style-type: none"> ✓ Check free stock ✓ Check capacity <ul style="list-style-type: none"> ○ Variance in Capacity ○ Delivery commitment ○ Delivery deviation
Capacity Allocation	Master data for planning
<ul style="list-style-type: none"> ✓ Capacity allocation customer wise ✓ Grade wise allocation 	<ul style="list-style-type: none"> ✓ Moulding rate hourly ✓ Max melting rate ✓ Core production process time
Planning procedure	Planner output
<ul style="list-style-type: none"> ✓ Get the monthly commitment to daily planning sheet ✓ Plan for grade wise and moulding line wise ✓ Check melting capacity allocation ✓ Check max daily capacity allocation moulding wise and item wise ✓ Auto allocation of core plan machine wise 	<ul style="list-style-type: none"> ✓ Melting & Moulding Variance ✓ Forward variance in other work centers <ul style="list-style-type: none"> ○ Fettleing ○ Heat treatment ✓ Backward capacity variance in core machines ✓ Daily plan sheet for all work centers <ul style="list-style-type: none"> ○ Core ○ Mould ○ Melting

Core Planning





Foundry Planning & Capacity Variance



Planning & Production Department	
Work Flow control	<ul style="list-style-type: none"> ▪ Integration Day to day transaction ▪ Online integration production logs (melting, pouring to qc) ▪ Online data collection with hand held devices or bar code ▪ Cross verification of logbook data with etEngine data for any major variance. ▪ Easy cross check of planning with actual shop floor/foundry data.
Benefits & Advantages	<ul style="list-style-type: none"> ▪ Capacity variance analysis for proper customer commitment ▪ Bottle Neck of metal, moulding & core to better outsourcing plan and customer delivery commitment. ▪ Material availability lead-time for proper shop floor execution ▪ Production ▪ Monthly/daily/shift consumption variance analysis with planned Vs actual to control over usage of high value material ▪ Power consumption analysis to track and control wastages ▪ Rejection Analysis to cut down production cost, overheads and wastages. ▪ Product weight variance control with variance report ▪ Tool availability and usage, to get the weight variance of each casting produced by pattern
Control & Alerts	<ul style="list-style-type: none"> ▪ Alert for pending work ▪ Alert on excess consumption ▪ Alert on excess rejection beyond the standard norm. ▪ Alert on high-energy utilization beyond the standard norm. ▪ Alert on inventory accumulation beyond the standard norm. ▪ Alert on variance of planned Vs production ▪ Rejection cost analysis
MIS	<ul style="list-style-type: none"> ▪ Monthly consumption variance analysis ▪ Power consumption analysis ▪ Rejection Analysis <ul style="list-style-type: none"> ○ Metal grade wise ○ Product wise ○ In-house / customer end /Subcontractor ○ Customer wise ○ Product defect wise ▪ Dash board of heat info with melting to quality to get one point information of production