

TSS Units Comparison Chart

TSS UNIT FEATURES	TSS-6, TSS-8	TSS-4, TSS-6, TSS-8	TSS
	Enhanced	Basic	
UPTIME & DOWNTIME MINUTES			
Machine - Daily Minutes & Percents for Shifts 1, 2, 3, & Total	X	X	+
Machine - Weekly Minutes & Percents for Shifts 1, 2, 3, & Total	X	X	+
Machine - Monthly Minutes & Percents for Shifts 1, 2, 3, & Total Machine - Yearly Minutes & Percents for Shifts 1, 2, 3, & Total	X X	X +	+ +
ividentifie - Tearry Williates & Telecents for Shifts 1, 2, 3, & Total	^	т	т
Current Session - Minutes for Shifts 1, 2, 3, & Total	Χ	Χ	
1st Prior Session - Minutes for Shifts 1, 2, 3, & Total	Х	Χ	
2 nd Prior Session - Minutes for Shifts 1, 2, 3, & Total	X	Χ	
3 rd Prior Session - Minutes for Shifts 1, 2, 3, & Total 4 th Prior Session - Minutes for Shifts 1, 2, 3, & Total	X		
5 th Prior Session - Minutes for Shifts 1, 2, 3, & Total	X X		
o Thoi Session Williags for Shirts 1, 2, 0, a Total	^		
RESPONSE TIME TRACKING			
Response Button - Times Operator Response to Downtime Condition	Х	Χ	Χ
Machine Daily Minutes for Shifte 1 2 2 9 Total	v	V	
Machine - Daily Minutes for Shifts 1, 2, 3, & Total Machine - Weekly Minutes for Shifts 1, 2, 3, & Total	X X	X X	+
Machine - Monthly Minutes for Shifts 1, 2, 3, & Total	X	X	+
Machine – Yearly Minutes for Shifts 1, 2, 3, & Total	Χ	+	+
	.,	.,	
Current Session - Minutes for Shifts 1, 2, 3, & Total	X	X	
1 st Prior Session - Minutes for Shifts 1, 2, 3, & Total 2 nd Prior Session - Minutes for Shifts 1, 2, 3, & Total	X X	X X	
3 rd Prior Session - Minutes for Shifts 1, 2, 3, & Total	X	^	
4 th Prior Session - Minutes for Shifts 1, 2, 3, & Total	Χ		
5 th Prior Session - Minutes for Shifts 1, 2, 3, & Total	Х		
DOWNTIME REASON ENTRY			
Machine Run Lockout until Reason/s is Entered	Х	Χ	
Multiple Downtime Reasons (up to 4) for each Downtime Occurrence	Χ	Χ	
Operator Downtime Response Procedures available	X	X	
Operator can Go To User, Data, or Counters Menu after Reason Entry	Х	Χ	
DOWNTIME REASONS	64	16	
Customizable Downtime Reasons for Each Machine	X	X	
	.,	.,	
Machine - Daily Downtime Occurrences & Minutes	X	X	
Machine - Weekly Downtime Occurrences & Minutes Machine - Monthly Downtime Occurrences & Minutes	X X	X X	
Machine - Yearly Downtime Occurrences and Minutes	X	+	
•			
Current Session - Downtime Occurrences & Minutes	X	X	
1 st Prior Session - Downtime Occurrences & Minutes 2 nd Prior Session - Downtime Occurrences & Minutes	X X	X X	
3rd Prior Session - Downtime Occurrences & Minutes	X	^	
4 th Prior Session - Downtime Occurrences & Minutes	X		
5 th Prior Session - Downtime Occurrences & Minutes	Х		
DAIL V DOMNITIME LOCAL ACT 22 OCCUPRENCES	22 VIOIDI E	46 VIOIDI E	
DAILY DOWNTIME LOG - LAST 32 OCCURRENCES Downtime Start/End Times, Response Time, Downtime Minutes,	32 VISIBLE X	16 VISIBLE X	_
Reason	X	Reason #	т
Part, Operator, and Job active during downtime	X	X	
Session = A unique combination of Job, Part, & Operator #'s			
+ = Feature is only available through TSS-NET PC Software			

TSS UNIT FEATURES	TSS-6, TSS-8 Enhanced	TSS-4, TSS-6, TSS-8 Basic	TSS
ORDER COUNTER Order Quantity, Parts Made, Parts To-Go, Minutes Remaining, % Made, RPM & Parts per Minute Job Number & Part Number	X X X	X X X	+
TOOL COUNTERS Cycles Planned, Cycles Used, Cycles Remaining	9 X	9 X	
MAINTENANCE COUNTERS Cycles Planned, Cycles Used, Cycles Remaining	9 X	9 X	
PRODUCTION COUNTERS Machine - Daily Production and Cycle Counts for Shifts 1, 2, 3, & Total Machine - Weekly Production Counts for Shifts 1, 2, 3, & Total Machine - Monthly Production Counts for Shifts 1, 2, 3, & Total Machine - Yearly Production Counts for Shifts 1, 2, 3, & Total	X X X	X X X +	+ + + +
Current Session - Production and Cycle Counts for Shifts 1, 2, 3, & Total 1st Prior Session - Production and Cycle Counts for Shifts 1, 2, 3, & Total 2nd Prior Session - Production and Cycle Counts for Shifts 1, 2, 3 & Total 3rd Prior Session - Production and Cycle Counts for Shifts 1, 2, 3, & Total 4th Prior Session - Production and Cycle Counts for Shifts 1, 2, 3, & Total 5th Prior Session - Production and Cycle Counts for Shifts 1, 2, 3, & Total	X X X X X	X X X	
BASIC SCRAP REPORTING Record scrap pieces for each Part Number Scrap Count Entry Screen	X X	X X	
CURRENT JOB INFORMATION Job, Part, & Operator Numbers, Parts per Cycle, Ideal RPM & PPM, Qty. New Job Data Entry Screen New Operator Log-in Screen	A/N X X X	A/N X X X	
PENDING PARTS Manually Input, Download from TSS-Net, or from Excel File Job & Part Numbers, Parts per Cycle, Ideal RPM & PPM, Order Qty.	4 X X	4 X X	
EFFICIENCIES Machine - Shift Efficiencies for Production & Time Instantaneous Shift Efficiencies for RPM, PPM & Feed Rates Machine - Daily Time Efficiencies for Shifts 1, 2, 3, & Total Machine - Daily Feed Efficiencies for Shifts 1, 2, 3, & Total Machine - Daily Cycle Efficiencies for Shifts 1, 2, 3, & Total Machine - Daily Production Efficiencies for Shifts 1, 2, 3, & Total	X X X X X	X X X X X	+ + + + +
Current Session - Efficiencies for Time, Feed, Cycles, & Production 1st Prior Session - Efficiencies for Time, Feed, Cycles, & Production 2nd Prior Session - Efficiencies for Time, Feed, Cycles, & Production 3rd Prior Session - Efficiencies for Time, Feed, Cycles, & Production 4th Prior Session - Efficiencies for Time, Feed, Cycles, & Production 5th Prior Session - Efficiencies for Time, Feed, Cycles, & Production	X X X X X	X X X	
TWO-WAY MESSAGING Between TSS Units and PCs	Х	X	
EMBEDDED OPERATOR INSTRUCTIONS Navigation Keys, Display Indicators, Entry Buttons Downtime Response, Counter, and Data Procedures Session = A unique combination of Job, Part, & Operator #'s + = Feature is only available through TSS-NET PC Software 2	X X	Х	

TSS UNIT FEATURES	TSS-6, TSS-8 Enhanced	TSS-4, TSS-6, TSS-8 Basic	TSS
CONFIGURATION VALUES Downtime Delay Value Downtime Code - Excludes Response Time Setup Reason Number	X X X	X X X	+
Parts per Cycle	Χ	Χ	+
Good Part Inputs Needed Ideal RPM	X X	X X	+ +
Ideal PPM	X	X	+
Copy PPM to RPM if only One Sensor	Χ	Χ	+
Default Screen	X	X	
Allow No Feeds Reset	X X	X X	+ +
Operator Log-In Screen Enable	X	X	'
Clear Downtime Log Each Day	Х	X	+
PASSWORD VALUES Separate passwords for Operator, Manager, and Engineer levels of access	Х	X	
SYSTEM TIME AND DATE SETUP Hour, Minute, Month, Day, Year, Day of Week	Х	X	+
START & END TIME FOR DAY AND SHIFTS			
Sunday - for Day and Shifts 1, 2, & 3	Х	X	+
Monday - for Day and Shifts 1, 2, & 3	X	X	+
Tuesday - for Day and Shifts 1, 2, & 3 Wednesday - for Day and Shifts 1, 2, & 3	X X	X X	+ +
Thursday - for Day and Shifts 1, 2, & 3	X	X	+
Friday - for Day and Shifts 1, 2, & 3	Χ	Χ	+
Saturday - for Day and Shifts 1, 2, & 3	X	X	+
Current - for Day and Shifts 1, 2, & 3	Х	Х	+
WORK MINUTES			
Daily for Shifts 1, 2, 3, & Total	Х	X	+
Weekly for Shifts 1, 2, 3, & Total	X X	X X	+
Monthly for Shifts 1, 2, 3, & Total Yearly for Shifts 1, 2, 3, & Total	X	^	+ +
•			-
OPERATOR SHIFT OPTIONS	V	V	
Add Time at Beginning or End of Shift Stan Downtime recording for Shift	X	X	
Stop Downtime recording for Shift Stop Downtime recording for Day	X X	X X	
+ = Feature is only available through TSS-NET PC Software		^	

PTG RESERVES THE RIGHT TO CHANGE CONFIGURATIONS AT ANYTIME.

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