DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
	Incorrect blade setting	Blade angle too sharp		Flatten blade angle
CHATTER		Too much blade pressure		Reduce blade angle
UNATIEN	Blade too sharp	High pigment ink sharpening blade	Solids test	Replace ink if out of spec
	Uneven ink flow from fountain	Dried ink on fountain Fountain set up incorrectly		Clean off the fountain Remount fountain
		Fountain too far away from cylinder		Adjust fountain closer to cylinder
		Ink flow valve not open enough		Open valve wider / check for blockage
	Too little ink flow from fountain	Ink filter clogged		Change ink filter
FLOW		Ink pump not operating correctly	Pressure gauge	Replace ink pump
		Fountain baffles are plugged or bent		Clean / adjust baffles
	Too much ink flow from fountain	Fountain too close to cylinder		Adjust fountain away from cylinder
		Ink flow valve open too wide		Close valve slightly
	Ink not drying completely on web	Low temperature in dryer	heat gun	Raise dryer temperature
		Low air flow in dryer	magnehelic	Increase dryer air flow
		Low steam pressure to dryer		Notify maintenance
		Press speed too high (small dryers only)		Decrease press speed
	High ink viscosity	Solvent evaporation from ink	viscosity test	Slowly add more solvent to ink
PICKING		Too much pressure on Impression roller	measure nip flat area	Decrease roller pressure
		Too little pressure on impression roller	measure nip flat area	Increase roller pressure
	Incorrect pressure on impression roller	Impression roller is the wrong durameter	durometer Tester	Change roller durometer
		Dirty impression roller		Clean the impression roller
		Defective / uneven impression roller		Change the impression roller
	Chill rollers too warm	Water supply not cold enough / not flowing	heat gun	Notify maintenance

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
	Incorrect solvent blend	Solvents blended incorrectly		Have ink room adjust solvent blend
			G.C. test	(Add NPA for P-200 ink system)
		High room temp causing evaporation		Notify maintenance
		Blade angle too sharp		Flatten blade angle
	incorrect blade setting	Blade too thin		Replace Blade
C	High ink viscosity	Solvent evaporation from ink	viscosity test	Slowly add more solvent to ink
		Cylinder engraved incorrectly	microscope	De-chrome & Re-chrome cylinder
н	Coll wells on ordinder too wide			Replace cylinder
A	Cell wails on cylinder too wide	Cylinder worn		De-chrome & Re-chrome cylinder
Ν			Repl	Replace cylinder
N		Scum blower setting too high		Lower air setting or turn off scum blower
		Fan or draft blowing on cylinder	puff tester Redirect air flow	Redirect air flow
L	Chill rollers too warm	Water supply not cold enough / not flowing	heat gun	Notify maintenance
		Too much pressure on Impression roller	measure nip flat area	Decrease roller pressure
Ν	Incorrect pressure on impression roller	Impression roller is the wrong durameter	durometer Tester	Change roller durometer
C		Defective / uneven impression roller		Change impression roller
0		High room temperature		Notify maintenance
	lak temp too bigh			Install ink chillers
		Impression nip point friction		Decrease impression roller pressure
		Too much agitation of the ink		Check the ink pump
	Ink not thoroughly mixed		pressure gauge	Change ink filter
		Ink pump not operating correctly		Unclog agitator elbow
				Replace pump

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
	Low ink Viscosity	Too much solvent in ink	viscosity tost	Add new ink to old ink
			viscosity test	Replace ink
		Ink pump not operating correctly	pressure gauge	Change ink filter
				Unclog agitator elbow
M	The is not thoroughly mixed			Replace pump
0		Ink not properly mixed at formulation		Return to ink room for mixing
Т	The ink has been "SHOCKED"	Solvent poured too quickly into ink		Replace ink
	Incorrect blade setting	Blade angle too flat		Sharpen blade angle
L	Incorrect blade setting	Blade too low relative to nip point		Raise blade closer to nip point
E		Too little pressure on the impression roller	measure nip flat area	Increase pressure to the roller
	Insufficient pressure at the nip point	Impression roller is wrong durometer		Change the roller to a harder durometer
		Uneven wax coating weight on stock paper		Change the paper
	Incorrect cylinder engraving	Engraving too deep / too shallow		Replace the cylinder
		Dried bits of ink in the ink		Clean / change blade
				Filter ink
STREAKS	Dirty blade	Metal bits in the ink		Filter ink with magnet
		Paper dust contaminating blade		Check press vacuum system
		Dirty rollers contaminating blade		Clean rollers
	Blade not oscillating	Mechanical failure		Notify Maintenance

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
l N	Too much ink flow from fountain	Ink flow valve open too wide		Close valve slightly
K	Ink flowing over splash guard	Blade angle too flat		Adjust blade angle
S	Ink splash guard leaking	Splash guard set up incorrectly		Reset splash guard inside ink pan
		Hose fitting not securely attached		Tighten hose fitting
	Hose to fountain leaking	Hose gasket worn, missing or broken		Replace gasket
A		Hose has a hole in it		Replace hose
S	Fountain baffle / ink splash deflector is	Baffle set up incorrectly		Replace fountain baffle
H	missing	Battle set up incorrectly		Set up ink splash deflector
	Ink film not drying on the non print area of the cylinder	Not enough air blowing on cylinder		Turn on scum blower
				Increase scum blower air setting
	,	Press speed too fast (small dryers only)		Decrease press speed
	Cylinder surface is too rough	Cylinder not polished enough	R7 test	Buff the cylinder
C		Cymruor nor ponoriou chough		Replace the cylinder
C	High ink viscosity	Solvent evaporation from ink	viscosity test	Slowly add more solvent to ink
U	Worn blade	Running for long periods of time		Replace the blade
Μ		Rough / high cylinder edges		Have cylinder filed down
		Calvanta blandad incorrectly	C C tost	Have ink room adjust solvent blend
		Solvents biended incorrectly	G.C. lesi	(add IPA for P-200 ink system)
		Blade angle too flat		Sharpen blade angle
	Incorrect blade setting	Blade too close to nip point		Lower blade away from nip point
		Blade too thick		Change blade

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
	High ink viscosity	Solvent evaporation from ink	viscosity test	Slowly add more solvent to ink
	Low ink viscosity	Transford	viceosity test	Add new ink to old ink
С		Too much solvent in mk	viscosity test	Replace ink
0	Color mis-match at the ink room	Wrong formulation used		Replace ink
L		Ink pump not operating properly	pressure gauge	Change filter
0	lak pot thoroughly mixed			Unclog agitator elbow
R	The hot thoroughly mixed			Replace pump
		Ink not properly mixed at formulation		Return to ink room for mixing
\circ	Incorrect blade setting	Blade angle too sharp or flat		Adjust blade angle
		Blade too high / too low relative to nip point		Adjust blade hieght
F		Blade too thick / too thin		Replace blade
	Cylinder cells too deep / too shallow	Cylinder is incorrectly engraved		Replace cylinder
	Wax coating weight on paper uneven	Defective coating on stock paper		Change paper
		Dried bits of ink in ink		Clean / change blade
				Filter ink
	Dirty blade	Metal bits in ink		Filter ink with magnet
DRAGS		Paper dust contaminating blade		Check press vacuum system
		Dirty rollers contaminating blade		Clean rollers
		Blade angle too sharp or flat		Adjust blade angle
	Incorrect blade setting	Blade too low relative to nip point		Raise blade closer to nip point
		Blade too thick		Replace blade

[DRAGS CONTINUED NEXT PAGE]

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
DRAGS (CONTINUED)	Chrome nodules on cylinder	Cylinder buffed incorrectly		Re-buff cylinder
	Rough blade	Blade polished incorrectly		Replace blade
	Blade not oscillating	Mechanical failure		Notify maintenance
	Worn blade	Running for long periods of time		Replace blade
	Chrome nodules on cylinder	Cylinder buffed incorrectly		Re-buff cylinder
	Lines are scratched into the cylinder	Cylinder not polished enough	RZ test	Re-buff cylinder
		Contamination under the blade		Re-buff / replace cylinder
				Clean / change blade
				Filter ink
L				Finlter ink with magnet
1				Check press vacuum system
NI				Clean rollers
		Fountain set too close to cylinder		Adjust fountain setting away from cylinder
E		Contamination in ink		Change blade
S	Nicked blade			Filter ink
		Blade polished incorrectly		Change blade
		Rough / high cylinder edges		Have cylinder edges filed down
	Blade not oscillating	Mechanical failure		Notify maintenance
	Lines are in the wax coating on the paper	Defective coating on stock paper		Change the paper

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
	Cylinder design incorrect	Incorrect artwork used		Replace cylinder
IVI		Over-use		De-chrome & Re-chrome cylinder
	Worn cylinder	Cylinder buffed too much		Replace cylinder
S		Blade angle too sharp or flat		Flatten blade angle
S	Incorroot blode patting	Blade angle too sharp		Flatten blade angle
U U	incorrect blade setting	Blade too low relative to nip point		Raise blade closer to nip point
		Too little pressure on the impression roller	measure nip flat area	Increase pressure to the roller
N	Insufficient pressure at the nip point	Impression roller is wrong durometer	durometer tester	Change roller to a harder durometer
G		Uneven pressure on impression roller		Balance impression roller pressure
D		Defective or worn impression roller		Replace impression roller
		Cylinder mis-aligned in carriage		Remount cylinder
		High ink viscosity	viscosity test	Slowly add more solvent to ink
ĸ				Clean / scrub out cylinder with solvent
I N T		Too much air blowing on cylinder		Turn off scum blowers or redirect fans
	Cylinder filled in with ink			Clean / scrub out cylinder with solvent
		Blade too far from nip point		Move blade closer to nip point
		Ink pan too low		Adjust ink pan
		Ink temp too high	thermometer	Install ink chiller

DEFECT	PROCESS PROBLEM	PROBABLE CAUSE	TEST	POSSIBLE REMEDIES
		Low temperature in dryer	heat gun	Raise dryer temperature
		Low air flow in dryer	magnehelic	Increase dryer air flow
В				Clean air nozzles
-	Ink not drying completely on web			Adjust air nozzle angle
		Low steam pressure to dryer		Notify maintenance
0		Press speed too high (small dryers only)	FPM tach	Decrease press speed
С		Incorrect solvent blend	G.C. test	Have ink room adjust solvent blend
K	Rolls wound too tightly	Too much tension on web		Decrease press tension
		Coating on paper uneven		Change the paper
I NI		High temperature in dryer		Lower dryer temperature
IN G	Ink skinning over	High air flow in dryer		Decrease dryer air flow
		Press speed too high		Decrease press speed
		Incorrect solvent blend	G.C. test	Have ink room adjust solvent blend
		Low temperature in dryer		Increase dryer temp