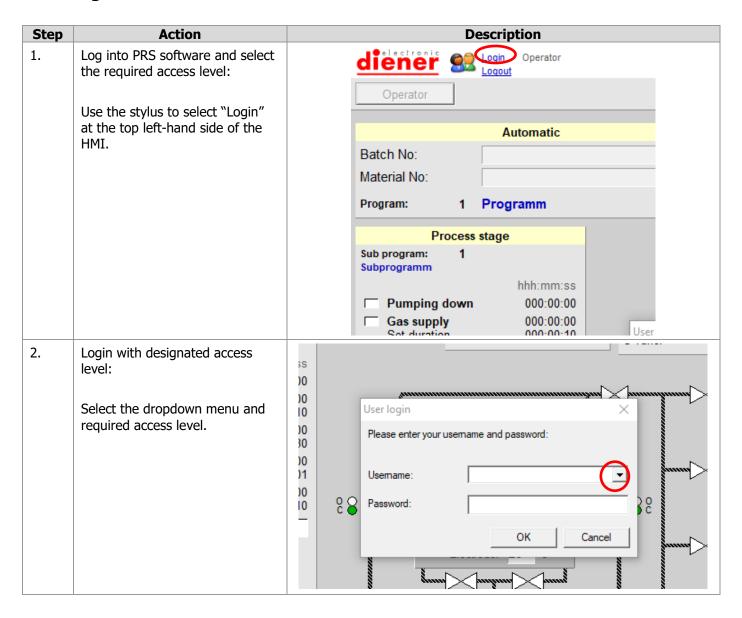
Wolverine Diener Plasma Treater Operation WI

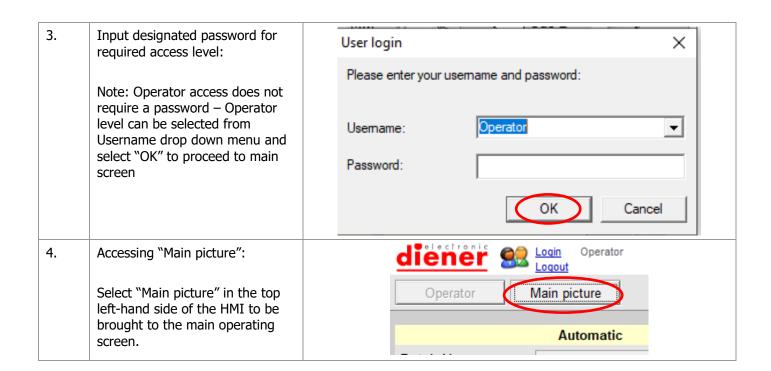
Purpose	This document describes the actions required to process Wolverine product through the PRS software system
Scope	The scope of this document encompasses only Wolverine activities and interaction with the Diener PRS software and Diener Plasma Chamber Hardware. No other product, hardware or software is captured in this document.
Records Created	N/A

Table of Contents 1. PRS Software Login 1 1.1. Login 1 2. Clean Cycle Procedure 3 3. Wolverine Plasma Process 5 4. Supporting Information 8 4.1. Definitions 8 4.2. Applicable Documents 9

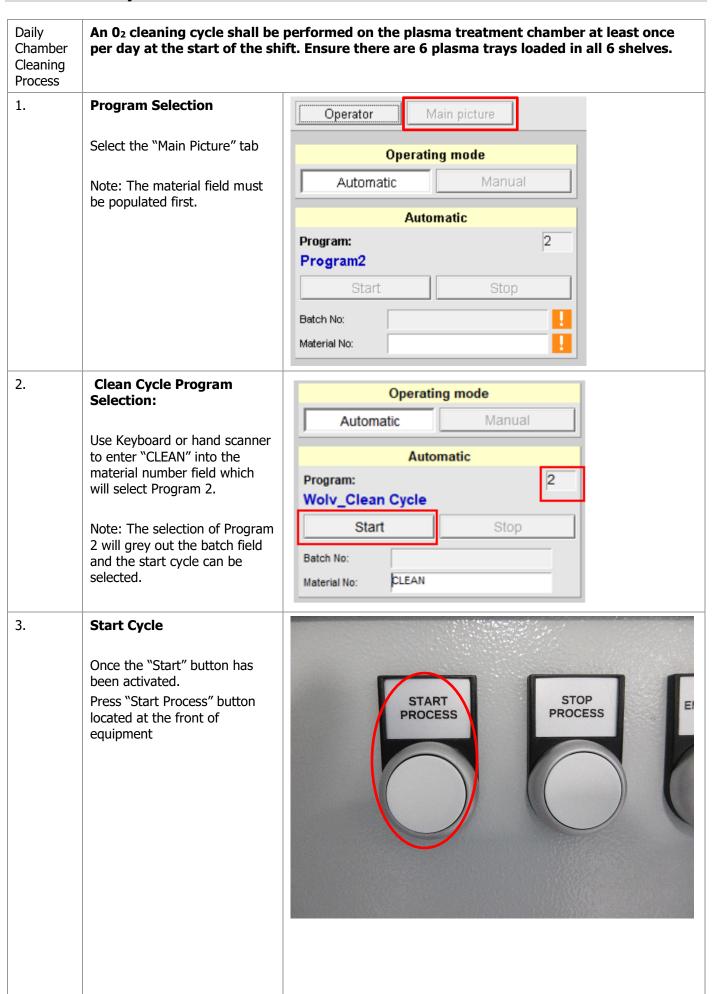
1. PRS Software Login

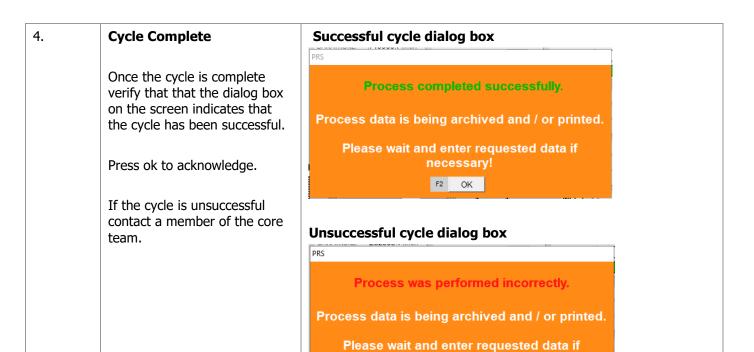
1.1. Login





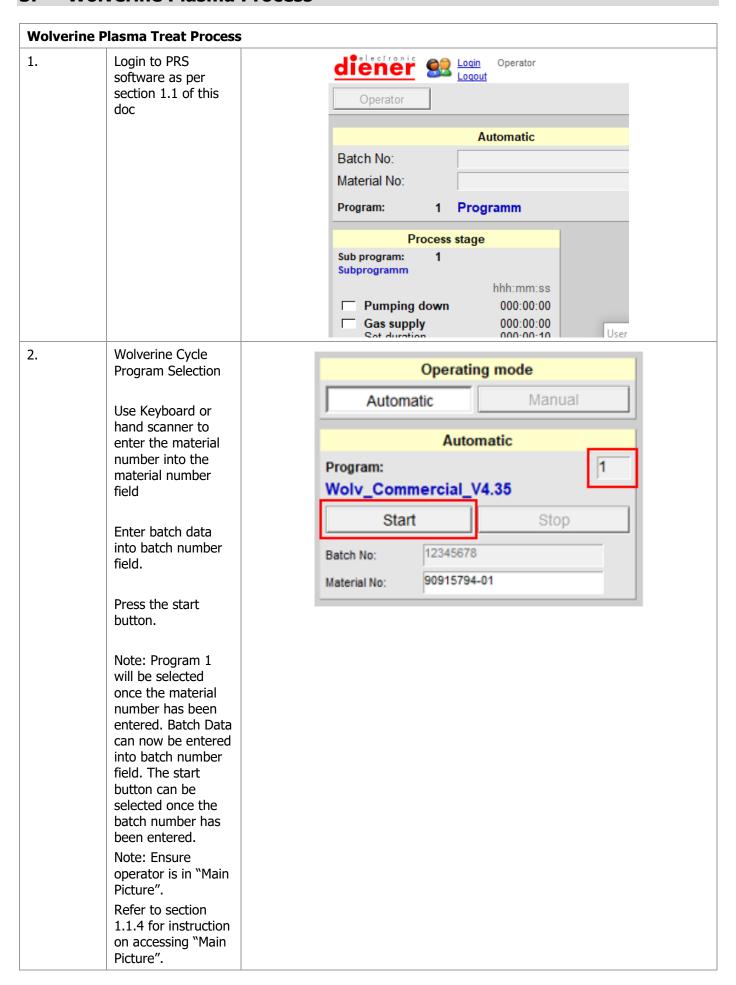
2. Clean Cycle Procedure

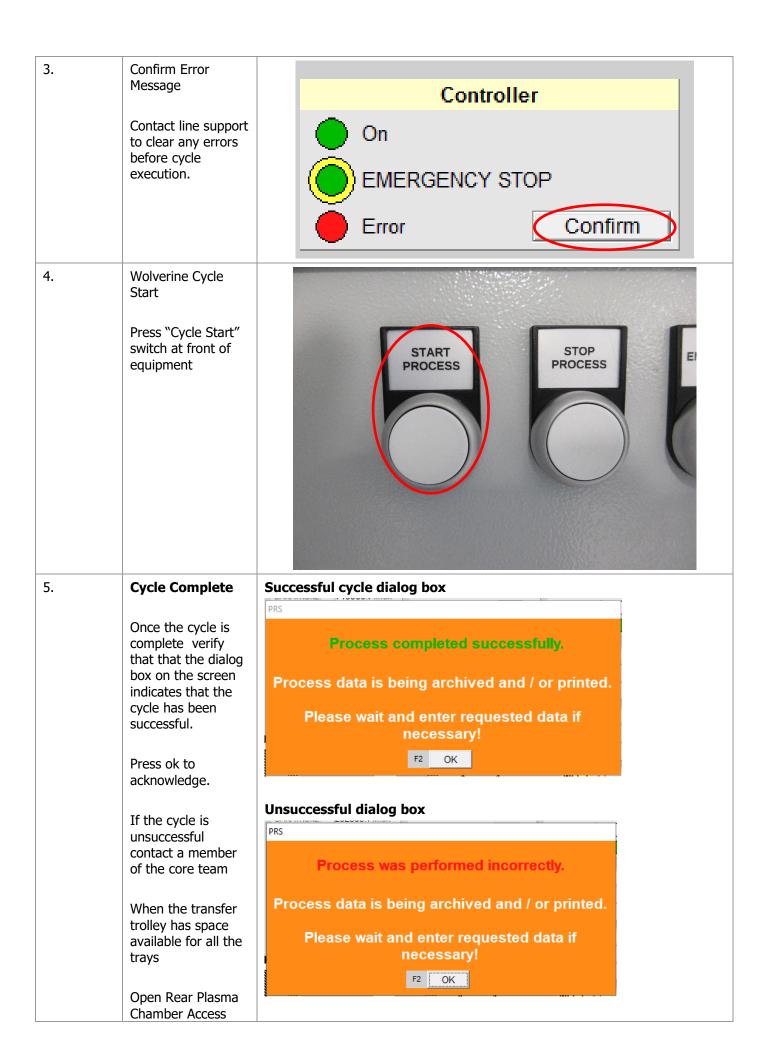




necessary!

3. **Wolverine Plasma Process**





Door for Wettability Test

Press "Door Up" Switch located at the back of the equipment

Note: Ensure "Back Door" is highlighted on HMI



HDPE Coupon 6. Removal

> Pull trays out individually (approximately 6 inches) and remove coupon from each tray

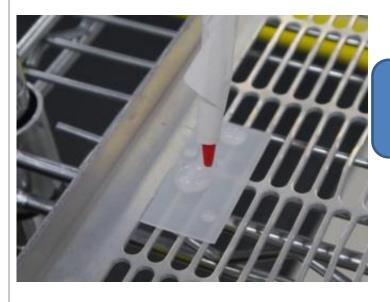


7. Perform Wettability Test

> Observe that the DI/RO water spreads out evenly (like a layer of film) and that it does not bead up

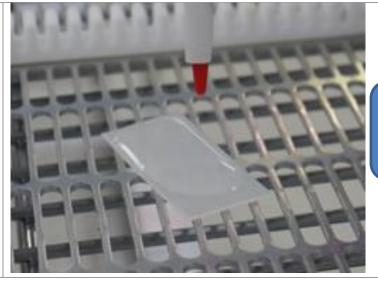
The DI/RO water must not bead up. If the water beads up, the batch must be scrapped.

DI/RO water should be changed daily. Record date on the DI/RO change sheet.



Pre-Plasma Treat

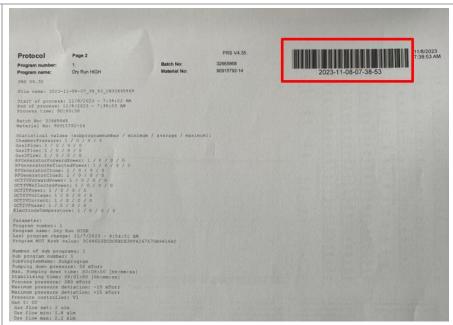
Discard wettability coupons after testing.



Post-Plasma Treat

Wettability Test Failure. Contact Quality Technician 8. If any coupon fails the wettability test, the batch must be scrapped

9. Once all the coupons have passed the Wettability test, complete Wolverine Plasma Treatment Log, 91131097 and scan the Plasma Report 'end of process' date and time barcode into MES.



Screenshot of Diener plasma report

10 Tray Removal

> Note: Ensure that the transfer trolley area designated "Post Plasma treatment" has sufficient space for all the trays that have gone through a complete Plasma Treat cycle. If there isn't enough space, stop and wait until space is available. Do not open the plasma chamber door until space is available.

> Starting from the bottom move one tray at a time to transfer trolley within designated area for "Post Plasma Treatment".

Record Keeping

Complete paperwork or required station tasks in MES with all appropriate information.

Supporting Information

4.1. **Definitions**

Definitions for the terms exclusive to this document are identified below:

Term	Definition
ICIIII	DEHIIILIUH

PRS	Plasma Reaktor Steuerung
HMI	Human-Machine Interface
MES	Manufacturing Execution System

4.2. Applicable Documents

Number	Title
S842773-00	Global Quality Systems Glossary
91036186	SGOI Plasma Tray Loading
91131097	Wolverine Plasma Treatment Log
S308938-00	Good documentation Practices and SFP review (Lean)
90509286	Line Clearance Guideline Cutting Balloon
92081060	MES 4.5 Product Builder Work Instruction, BSC
90395576	MES Navigation and General WI
97053330	Cleaning Procedure CTS
90362949	MES – Glossary, Basic Functionality, Navigation and Procedures
S300155-00	Cleaning Work Surfaces and Equipment

4.3. Supplies and Equipment

Description	P/N or ME#
High Density PE Coupons	03500-01
Distilled/R.O. Water	N/A
Plasma Trays	51321755
70% IPA	466720-02
99% IPA	466720-01
Alpha Wipes	N/A
Diener Plasma Chamber	92730383
Nitrile Gloves (Blue)	90179967-01/-02/-03/-04
Nitrile Gloves (White)	321390-06/07/08/09/10