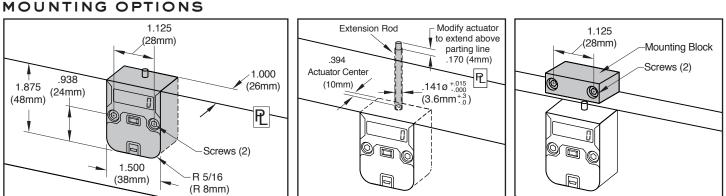
CVe MONITOR[®]

Progressive's new CVe Monitor v3 tracks tool activity, allowing users to view data on the display or from comprehensive reports using OnDemand or the new CVe Live System. Features include:

- 7-digit LCD display with a push button to move through the display modes.
- 16GB flash drive for file storage.
- · Replaceable battery.
- · Water resistant with an ingress protection rating of IP58.
- Maximum temperature: 190° F (90° C). For high temp tools, contact tech@procomps.com. •
- · Recommended mounting is on the stationary half of the mold.
- Dimensional compatibility with Progressive's mechanical CounterViews.
- · Mini USB connectivity for data retrieval with cables sold separately.



1.125
(28mm)

CATALOG NUMBER	DESCRIPTION
CVE-M	CVe Monitor v3 Mold Maker/Molder version including #8-32 x 1" SHCS (2) and M4 x 25mm SHCS (2)
CVE-O	CVe Monitor v3 OEM version including #8-32 x 1" SHCS (2) and M4 x 25mm SHCS (2)

OEM-specific CVe Monitors are available. Contact Progressive for more information.

How to Order:

CATALOG

NUMBER

CVE-INT

CVE-EXT

· For installation below parting line (ie. rails as shown in the center graphic above), order (1) CVE-M and (1) CVE-INT.

DESCRIPTION

Internal Extension Rod (8"/200mm) including

a hex key for CVe Monitor set screw removal. External Mounting Block including

#8-32 x 1" SHCS (2) and M4 x 25mm SHCS (2)

For installation outside of the mold (right graphic), order (1) CVE-M and (1) CVE-EXT.

ON-MOLD DISPLAY MODES

Each device is provided at -25 cycles to allow for mold set up and initialization of the CVe Monitor. Once it reaches zero (0), all timers and data will reset on the monitor. During production, users can press the button on the front of the monitor and review the following information on the display:

Cycle Count

Total cycles for the life of the mold is presented on the main screen.

Cycle Time

Since the first production cycle, cycle time for the life of the mold.

Cycle Time-Recent

Cycle time for the past 500 cycles is shown in seconds.

Mold Temperature

View current temperature experienced by the monitor (°C) by pressing button twice.









Efficiency Percentage

The percentage of time that the mold has been actively cycling vs being idle.

Efficiency Percentage-Recent

The percentage of time the mold has been active in the past 500 cycles.

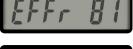
Cycle Count Reset

Press and hold button to reset separate counter to 0 for interim monitoring of cycles.

Flash Drive

Utilize the 16GB flash drive by connecting the CVe to a PC/Tablet with an industry-standard mini USB cable, sold on the next page.











CVe MONITOR®

ON DEMAND ALERT MODES

Once data is initialized using the complimentary OnDemand software (from www.CVeMonitor.com) users can choose to be alerted to the following sets of conditions for the CVe Monitor.

Preventive Maintenance

During initialization, Preventive Maintenance (PM) checkpoints are entered and saved onto the CVe Monitor. If a PM checkpoint is exceeded, the CVe Monitor enters the PM alert mode and displays both a wrench icon and PM Due as shown at right.

When a PM is performed and entered via OnDemand or by the in-mold actuation/button push combination, the next checkpoint.for the PM will be written. If no PM is performed, the CVe Monitor will remain in PM alert mode until the user performs all PMs whose thresholds have been exceeded.

Cycle Time

During initialization, the target cycle time can be written to the monitor using OnDemand. Any variation greater than 2% from the target will enter the alert mode and display the clock icon as shown at right. When the cycle time returns to within 2% of the target, the alert is removed.

Efficiency

During initialization, the target efficiency can be written to the monitor using OnDemand. Any variation greater than 2% from the target will enter the alert mode and display the percentage (%) icon as shown at right. When the efficiency returns to within 2% of the target, the alert is removed.

Low Battery

The CVe Monitor has a battery life of approximately 4 years in typical molding environments where temperatures are controlled. When the battery reaches a specified level, the display will show a battery icon as shown at right. This is the indication to replace the battery, which can be ordered by contacting Customer Service.

RETROFITTING

Users can view additional data by double-clicking the button on the monitor:

Retrofit CVe for CounterView Tools

During initialization, molders can start the cycle count with the tool's actual cycle count from an existing CounterView or known cycles from maintenance records. Once entered, the user can see the total cycles for the tool, which includes the count of the cycles from the counter and those run with the CVe Monitor.

In the graphic at right, the tool had 1,000,000 cycles on it originally, but ran 507,288 after the CVe Monitor was installed.

CABLES AND CONNECTIVITY

OnDemand Activity Log [Software Version 3.1.0/2.6.1/3.1.9]												
CVe Initialize Date	November 23, 2017	December 17, 2017										
Device ID	MKX1234	MKX1234										
Tool ID	8565B	8565B										
	Blower Housing	Blower Housing										
Part ID	ABT57	ABT57										
Program Name	Mocha	Mocha										
Customer	Crimson Fan	Crimson Fan										
Target Efficiency %	N/A	94%										
Target Cycle Time	N/A	7.5										
Initial PM Point Target PM Interval	50000 100000	50000										
cles Prior to CVe Installation* OEM ID	1000000 N/A	1000000 ABT1										
ASSET ID	N/A N/A	0356-5686										
AGGETTD	пуя	0330-3080										
							Rea:		connec	ting CVe Monitor		
Date/Time	Battery	Cycles	OD User	Conn By	Company	Destination				-		
Date/Time October 4. 2018	Battery	Cycles 507.288	OD User	Conn. By	Company Injection Tech	Destination CrimsonQ@crmn.com	- 100 N		GEN	Notes		
							V30	PM REP	z GEN	Notes		
October 4, 2018	ОК	507,288	INJECT11	Blake Fitz	Injection Tech	CrimsonQ@crmn.com	~ 16[V	N PM	z GEN	Notes KA Replaced damaged core pin in cavity 4 V(A Data Pull		
October 4, 2018 October 4, 2018 September 19, 2018 September 15, 2018	ОК	507,288 506,524 491,274 482,567	INJECTI1 INJECTI1	Blake Fitz Blake Fitz	Injection Tech Injection Tech	CrimsonQ@crmn.com CrimsonQ@crmn.com	N N NEV	Md N N	N 36 N	Notes (VA Replaced damaged core pin in cavity 4 (VA Data Puli (way Pulied from production for mold operational issues. It is be		
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Above: OnDemand allows users to view data and keep a record of reports run, outlining the reason for the report generation including PM, General Queries, Revision Changes, and Repairs. Notes can be included and OnDemand records the person generating the document for accurate history.













CABLE CATALOG NUMBER	DESCRIPTION
CVEL-DATA9	USB 2.0 to Type B Mini 9 Foot Long, Right-Angle Cable

Above: Cables are available for use with the CVe Monitor and are required for both connecting to the computer for OnDemand and for the CVe Live system.



CVe ONDEMAND®

Drive comprehensive reporting using data from the CVe Monitor when running OnDemand software, available at no charge from CVeMonitor.com. OnDemand software enables the user to generate Adobe Acrobat (.pdf), Excel (.xls), and encrypted (.enc) reports to share with customers and other colleagues with these metrics:

- A: When the CVe is initialized, users can identify their tool and align with the device serial number which is tracked on reports utilizing different field options.
- **B:** The target cycle times and efficiency percentages can be entered. OnDemand also supports ten languages: English, German, Mandarin, Spanish, French, Italian, Japanese, Korean, Portuguese and Thai. Reports, generated in the chosen language, compare actual values to targets, providing a quick view of any variances.
- **C:** Statistics are provided to show quantity of total cycles and inactivity for the life of the tool.
- **D:** Weekly sessions are presented graphically to show production efficiency levels.
- E: Weekly cycle time and maximum mold temperature tracking identifies tools with variances over the past year.
- F: The productivity portion of the report takes the target preventive maintenance (PM) points set by the molder and compares them to actual maintenance pulls.
- **G:** The Maintenance Tab has nine user-definable PM points. In addition, customers can perform maintenance without having their laptop or computer near the CVe Monitor. By holding down the button, cycling the monitor once, and releasing the button, an event will be recorded. This is then added to the OnDemand reports when run.

CVe OnDemand	- • ×		Crimson Fan F	Performance Summary	04 Oct 2018
CVe Device ID MICK1234	941 100 94	Since Last Report Efficiency %	Program: Green 7.5 Target Cycle Time 7.2 Since Last Report Cycle Time 7.4 Last Full Week Cycle Time	Within Target 2% Cycles Prior to CV	
Please click "Generate Report" to continue	921	% Life-To-Date Efficiency %	8.5 Life-To-Date Cycle Time		Report 764
			Effici	ency	
Tool Info Target Data Settings Support Reports		D – .			200 Hours
Customer OEM ID Crimson Fan ABT1 Program Name Part ID					100 Active Time is the accumulation of all time the monter is cycling, bits time begins after 200
Mango Blower Housing ABT5		≧≧žžž² ±́źž* ■Active Time	: : : : : : : : : : : : : : : : : : :	ي 2 2 3 4 4 4 4 5 2 3 3 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Asset ID Tool ID 235-5689-LN 8565B			Cycle	Time	
235-3003-EIN 0303D		9			13 12 11 Seconds
Get CVe Data Generate Report	60 50 - 40 - 30 -			· · · · · · · · · · · · · · · · · · ·	
CVe OnDemand		10 doed 7 11 doed 7 13 doed 7 14 doe	Freb-18 Freb-18 Freb-18 Freb-18 Mar-18 Mar-18 Mar-18 Frabar-18 Fra	27.069/18 3.489/18 3.489/18 3.489/18 20.489/18 20.481/18 8.40/18 8.40/18 2.240/18 2.	Cycle Time= Active
	Deg	C <u>غغغ</u> ۲۵۸۵ Life-To-Date	Weekly	Dut of Range > 25%	·
MIX1234	0	Initial	PM Point: 10,000 Cycles-Target 9,265 Cycles-Actual Next PM Du	Target PM I Cycles u a: Intermediate Preventive Maintenance	Interval 50,000 Intil PM 25,279 Cycles
Data readyClick "Generate Report" button to save					16,000
Tool Info Target Data Settings Support Reports					12,000 10,000 8,000 6,000
	that tool is expected to	100 ee-17 240 ee-17 240 ee-17 240 ee-17 240 ee-18 24 un-18 24 un-18 24 un-18 24 un-18			4,000 2,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Target Cycle Time 7.5 Target cycle time in	seconds	PM Target Exceeded	• PM P	ि ते ते दे दे दे ते के	n – General Query Weak
Carls and table					
		ice ID: MQM4767 CI	imson Fan In-Press Too	I Maintenance Report	13-Sep-19
Target PM Interval 50000 Number of cycles b (Example 75000)	etween scheduled PMs	Tool ID: 8565B Program Name: Cycle Count 63,487 Cycles until In-Press Maintenance		Asset ID: 354-1856 s Maintenance 63,487 Maintenance Events	Part ID: Blower Housing ABT50 Date of last In-Press Maintenance 9/13/1019 9:44
Get CVe Data Generate Re	20		I	_	
CVe OnDemand - (Email Enabled)		a a allahar a hall L	╏╻╏╻╻╻╏╏╻╻┝╸╻┨╻╶┝	daa daa ka sheeraa a	اللاسي فالهواري
CVC Device ID DKN0343		1 (1/1/0/19) (1/1/1/1/19) (1/1/1/1/19) (1/1/1/1/19) (1/1/1/1/19) (1/1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/1/19) (1/1/19		77,20,000 6.44 77,20,000 2.06 77,20,000 2.02 77,20,000 2.02 77,20,000 1.05 77,20,000 1.05 77,20,000 4.05	71/2018 04 71/2018 04 71/2018 25 71/2018 25 71/2018 24 71/2018 24
Status Listening for response from Monitor			Historical In-Press Ma	intenance Summary	
		Trailing 5 Weeks	Trailing 5 weeks Overdue Maintenance	Life To Date	Life to Date Overdue Maintenance
Tool Info Target Data Maintenance Settings Support	Reports		Date Due Performed Overdue 8/22/2019 3:36 51222 51416 194		Date Due Performed Overdue 6/18/2019 10:19 45987 47015 1028
Maintenance Targets in Effect Current Cy			8/12/2019 0:57 44689 44867 178 9/11/2019 0:00 61357 61534 177		4/15/2019 15:07 32428 32950 522 5/22/2019 12:43 33637 34095 458
			8/8/2019 16:04 41233 41401 168 9/8/2019 0:00 58157 58297 140 9/4/2019 15:07 57017 57156 139		5/9/2018 12:57 20335 20748 413 2/27/2019 15:07 27504 27831 327 7/17/2019 5:02 47796 48052 256
Title Interval Last Peri In Press Maintenance 50,000 3;	formed Next Due 898,055 3,948,055		8/28/2019 21:21 54734 54844 110 7/26/2019 4:33 28952 29052 100		9/26/2018 1:26 24950 25188 238
	047,082 4,247,082 047,082 4,447,082	N	8/1/2019 22:19 33637 33736 99		8/11/2018 6:43 22594 22813 219 8/22/2019 3:36 51222 51416 194 1/31/2019 17:31 26121 26310 189
Cooling System Maintenance 500,000 4/	003,950 4,503,950		8/15/2019 9:50 45987 46084 97 7/19/2019 10:48 24950 25047 97		8/12/2019 0:57 44689 44967 178 9/11/2019 0:00 61357 61534 177
Tool Refurbishment 10,000,000 Initial New Tool Maintenance 5,000	NA 10,000,000 4,873 NA		8/18/2019 18:43 47796 47891 95 7/29/2019 13:26 32428 32523 95 9/1/2019 6:14 56829 56917 88		8/8/2019 16:04 41233 41401 168 7/3/2018 12:28 21138 21295 157 9/8/2019 0:00 58157 58297 140
	Requirement		8/5/2019 7:12 37135 37222 87 9/13/2019 7:12 37135 37222 87 8/25/2019 12:28 53600 53678 78		8/22/01915/07 57/17 57/15 139 8/22/201912/12/1 54734 54844 110 7/26/2019.4:33 47897 47997 100
Copyright 2015 AST Technology All rights		On-Time PM (-10%) • Deerdue PM (-10%)	Total Percentage On Time Mantenance 68 50.7% Overdue Maintenance (*10%) 2 2.7% Overdue Maintenance (*10%) 5 8.7% Total Maintenance (*10%) 5 8.7%	On-Time PM Overdue PM (-10%) Overdue PM (-10%)	Total Percentage On Time Maintenance 1420 96,1% Overbus Maintenance (+10%) 40 2.7% Overbus Maintenance (+10%) 18 1.2% Total Maintenance 1478 100.0%



CVe LIVE®

For real-time monitoring of tools, AST provides hardware and website access for OEMs and molders utilizing the CVe Monitors.

Features:

- Utilizes FCC and CE certified internal components.
- Press Modules act as a node on a network, reducing the distance required in the plant for data submission to the Gateway.
- Radio Frequency (RF) antennas are interference-free in typical molding environments.
- Designated website for data collection, reporting, and file storage.

CVe Live is developed and supported by AST Technology, sister company of Progressive Components.



Press Module

- 1 per press connects to the CVe Monitor via cables
- Power supply (US/International) included
- Sends data to the Gateway continuously
- Serves as a node on the network for tools running with a CVe Monitor
- Includes (1) CVEL-DATA9 Cable

Gateway

- 1 per facility collects data from all press modules installed via RF transmissions
- Power supply (US/International) and CAT5 Ethernet cable included
- Accesses the internet via cellular technology
- · Sends data to the customer's web portal every 15 minutes



- Secure access for OEMs and molders, set up at the time of installation of the CVe Live hardware.
- The Tool Dashboard gives users information at either the enterprise or plant level and allows for drill down into specifics on each tool.
- A Press Dashboard provides an overview of manufacturing operations. The dashboard displays the status of every press and the tools that are running within them.
- Users can mark favorites and also save searches for monitoring specific programs or suppliers.
- Graphs for cycle times, efficiencies, cavitation, and production loss, and also preventive maintenance, can be shown and saved.
- Plant exceptions screen shows any out-of-tolerance conditions.







CVe LIVE®

16 of 16

Cavitation

0

76,512

-16,512

7.2

00:00

70 °C

- PM Function allows for user-defined PM stops (Incremental or Absolute). The user can also create or customize PM forms and checklists for a specific maintenance program.
- Work Order function allows users to create work orders for molds, machines, or other assets.
- GPS tracking allows for users to view the location of all tools by scanning a QR code using a compatible GPS-enabled phone. This feature is ideal for managers that are tracking multiple facilities or global operations. (Asset Tags sold separately.)
- Administration and security levels are controlled by the user, and access can be given to subcontractors to upload information or to initialize the CVe Monitors to begin submitting data.
- The file cabinet system is designed to store reports, tool and part drawings, and set-up sheets and can be utilized by customers with the CVe Live system installed, or by those using OnDemand who are looking to have or give global access to tool information.
- An automated Data Exporter allows users to schedule data exports from many pages within CVe Live. Data will automatically download to a specified location, in Excel or json format, where it can then be imported to other in use systems.
- OEE is calculated independently for the both the press and the tool. This allows tooling and manufacturing operations to have separate OEE calculations to distinguish between equipment and tooling issues.

n the CVe Live system inDemand who are look- ess to tool information.	Мар	Satellite		United Kingdor	Poland Germany Ukraine	Kazakhstan	Russia L J
allows users to schedule es within CVe Live. Data to a specified location, in t can then be imported to		nited States Mexico	Nort Atlan Ocea	th tic		Iraq Iran Afghanistan Pakistan	China Japan South Koree dia 1 thailand 1
Reports			L1 (Warning) Value	L1 (Warning) %	L2 (Out of Tolerance) Value	L2 (Out of Tolerance) %	
Tool Summary	· · · · · · · · · · · · · · · · · · ·	Cycle Time Upper:	7.3	2.0	7.6	5.0	Map data ©2019 Terms of Use
Tool Connection History	>	Cycle Time Lower:	7.1	2.0	6.8	5.0	
Historical PM	•	Efficiency Upper:		5.0		10.0	
		Efficiency Lower:		5.0		10.0	
Logs		· ·	L1 – Warning limits (Yellow)		Note: If you only want a single	set of limits, only populate L2	
Activity	*		L2 – Out of Tolerance limits (Re		Note. Il you only want a singt	set or minics, only populate L2	
Alerts	•						
Parts Consumed	*		From LIVE				
Work Orders	*	Next PM Due:	60,000		-		
ľ		Last PM:	62,166	2019-08-26	0		
File Cabinet	9.97 GB free of 10 GB	Last Repair:			Add Repair		
Press Documents) i	Last Revision:			Add Revision		
Press PM Reports	Þ		Configure PM Points				

★ Remove from Favorites

🟵 Work Order

Engineer:

Processor:

Tool Type:

Firmware:

Target Efficiency:

Target Cycle Time:

Idle Threshold (s):

Sontoya Mfg Sleep Threshold (m):

Temperature:

Rejects Today:

Sontoya Mfg

A-7890-Y675

Mold House

PPX Manufacturing

T-325*

Mocha

55405 SBC ELRD BMX

SONT1

🖌 View 1 Open Work Order

Carol Knowles

Hot Runner

66°C

3.4.0.0

0

90.0

7.2

201

360

Maintenance

Starting Cycle Count:

Last 50 Cycles Avg (s)

Alert Temp:

Last Cycle Count:

Cycles Until PM:

Downtime Today:

Cavitation:

		LIVE													All Plants -	• We	lcome: to	CVe Live
		LIVE											Home	Contact Us	Setting	s Hel	p Sig	n Out
•	Dashboard	📋 Tools	Pr	resses	Alerts	L.	Activity	1	Work Orde	ers	🇱 Administration							
Alerts «	Presses Q+ <u>Select Via</u>	Search Select presses b	elow before y	you Select one													D	(port
	Click column na	ame to sort. PLANT		BRAND	TONNAGE	MAX SHOT	TARGET OEE	1 WEEK OEE	24 HR OEE	HOURS UNTIL PM	NEXT PM NAME	LAST PM DATE	PM STATUS	LAST CONNECT	RUNNING STATUS	LAST DEVICE ID	LAST TOOL	^
		PPX Manufacturing	Pr No 1 Pr No 1	Cincinnati	160	394.00	90.0	79.0	77.0	18.7	Standard Press Maintenance		UPCOMING			OPO2500	T-142*	
	Pr No 2 Pr No 3	PPX Manufacturing PPX Manufacturing	Pr.No.1	Krauss Maffei Nissei	1,300 220	136.00 569.00	90.0 90.0	91.0 99.0	87.0 99.0	-13.1	Standard Press Maintenance Standard Press Maintenance		OVERDUE	2019-08-26 12:10:08 2019-08-26 12:15:47		OPN9500 OPR1500		
	Pr No 4*	PPX Manufacturing		Milacron	220	70.00	90.0	66.0	64.0	220.8	Standard Press Maintenance	26-AUG-19		2019-08-26 12:13:48		OPT5500		

ID #OPQ7500

Downtime

Last Connect: 2019-09-16 14:06:23

Reject

Tool Owner

OEM ID:

Asset ID:

Location:

Tool ID:

Part ID:

Customer:

Program Name:

Tool Builder:

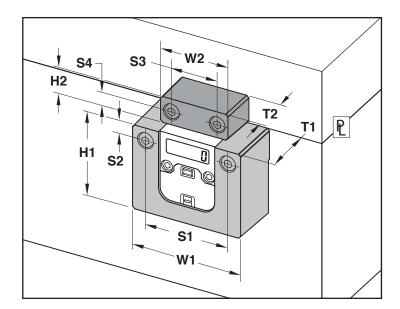
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Das	hboard		Tools	Pr	esses	A Alert	ts 🖵	Activity		🖌 Wa	ork Orders	🛠 Adı	ministrati	on						
Тос					Select devic	es helow hefo	ore you Select	tone	•											Export
Q+	Select Via S	Search Q	 Select via: 	Saved Search	Scieccucvic															
				It columns in		es below belo												Save T	his Search	n for Later
				It columns in <u>TARGET</u> <u>EFFICIENCY</u>		24 HR EFFICIENCY	<u>1 HR</u>	<u>1 WEEK</u> CYCLE AVG	24 HR CYCLE AVG	1 HR CYCLE AVG	PRODUCTION BY SHIFT 1	PRODUCTIO	UNTIL	NEXT PM	NAME	LAST PM	LAST PM DATE	Save T LIFETIN MAX TE	<u>1E 24</u>	In for Later HR ↑ TEMP
Click	column na	ame to sort. I	Define defau	lt columns in	SETTINGS.	<u>24 HR</u>	<u>1 HR</u>	<u>1 WEEK</u>					UNTIL PM	NEXT PM	NAME	LAST PM	LAST PM	LIFETIN MAX TE	<u>1E 24</u>	<u>HR</u> ↑
Click	column na	ame to sort. I DEVICE ID	Define defau CURRENT COUNT 4,913	It columns in TARGET EFFICIENCY <u>%</u>	SETTINGS. <u>1 WEEK</u> EFFICIENCY	24 HR EFFICIENCY	<u>1 HR</u> EFFICIENCY	<u>1 WEEK</u> CYCLE AVG	CYCLE AVG	CYCLE AVG		BY SHIFT 2	UNTIL PM 95,087 Prev			LAST PM 1,151,760 23-5	LAST PM DATE 26.	LIFETIN MAX TE	<u>1e 24</u> MP <u>MAX</u>	<u>HR</u> ↑
Click ALL	column na	DEVICE ID OPZ0037	Define defau CURRENT COUNT 4,913	It columns in TARGET EFFICIENCY % 90.0	SETTINGS. <u>1 WEEK</u> <u>EFFICIENCY</u> 95.0	24 HR EFFICIENCY 95.0	1 HR EFFICIENCY 100.0	1 WEEK CYCLE AVG 16.2	CYCLE AVG 16.2	CYCLE AVG 16.8	BY SHIFT 1	BY SHIFT 2	UNTIL PM 95,087 Prev -25,736 Lev	ventive Maintenance	2		LAST PM DATE 26./ SEP-19 73./	LIFETIN MAX_TE 00 00	<u>ME 24</u> MP MAX 26.00	HR ↑
Click ALL	<u>toolumn na</u> <u>TOOL</u> • <u>ID</u>	DEVICE ID OPZ0037 OPO2500	Define defau CURRENT COUNT 4,913 1,151,808	It columns in TARGET EFFICIENCY % 90.0 90.0	SETTINGS. <u>1 WEEK</u> <u>EFFICIENCY</u> 95.0 79.0	24 HR EFFICIENCY 95.0 81.0	<u>1 HR</u> EFFICIENCY 100.0 90.0	<u>1 WEEK</u> <u>CYCLE AVG</u> 16.2 7.2	CYCLE AVG 16.2 7.2	CYCLE AVG 16.8 7.2	BY SHIFT 1	BY SHIFT 2	UNTIL PM 95,087 Prev -25,736 Leve 856 Leve	ventive Maintenance el 1 Tool Maintenance	2	1,151,760 23-5	LAST PM DATE 26. SEP-19 73. AUG-19 86.	LIFETIN MAX_TE 00 00 00	1E 24 MP MAX 26.00 73.00	<u>HR</u> ↑
Click ALL	<u>T-142*</u> <u>T-167</u>	DEVICE ID OPZ0037 OPO2500 OPR6500	Define defau CURRENT COUNT 4,913 1,151,808 57,281	It columns in TARGET EFFICIENCY % 90.0 90.0 90.0	SETTINGS. <u>1 WEEK</u> <u>EFFICIENCY</u> 95.0 79.0 91.0	24 HR EFFICIENCY 95.0 81.0 86.0	1HR EFFICIENCY 100.0 90.0 100.0	1 WEEK CYCLE AVG 16.2 7.2 10.3	CYCLE AVG 16.2 7.2 9.8	CYCLE AVG 16.8 7.2 7.4	BY SHIFT 1 72,464	BY SHIFT 2 82,928 258	UNTIL PM 95,087 Prev -25,736 Leve 856 Leve 8,016 Leve	ventive Maintenance el 1 Tool Maintenance el 1 Tool Maintenance	2	1,151,760 23-S 48,137 26-A	LAST PM DATE 26. 56P-19 73. AUG-19 86. 56P-19 41.	LIFETIN MAX TE 00 00 00 00 00	ME 24 MP MAX 26.00 73.00 77.00 77.00	<u>HR</u> ↑
Click ALL	T-142* T-167 T-288	DEVICE ID OPZ0037 OPO2500 OPR6500 OPN9500	Define defau CURRENT COUNT 4,913 1,151,808 57,281 62,910	TARGET EFFICIENCY % 90.0 90.0 90.0 90.0 90.0 90.0	SETTINGS. <u>1 WEEK</u> <u>EFFICIENCY</u> 95.0 79.0 91.0 99.0	24 HR EFFICIENCY 95.0 81.0 86.0 99.0	1HR EFFICIENCY 100.0 90.0 100.0 100.0	1 WEEK CYCLE AVG 16.2 7.2 10.3 166.3	CYCLE AVG 16.2 7.2 9.8 165.8	CYCLE AVG 16.8 7.2 7.4 165.4	BY SHIFT 1 72,464	BY SHIFT 2 82,928 258	UNTIL PM 95,087 Prev -25,736 Leve 856 Leve 8,016 Leve -16,512 Leve	ventive Maintenance el 1 Tool Maintenance el 1 Tool Maintenance el 1 Tool Maintenance	e e e Maintenance	1,151,760 23-S 48,137 26-A 60,926 19-S	LAST PM DATE 26. 35P-19 73. AUG-19 86. 35P-19 41. AUG-19 73.	LIFETIN MAX TE 00 00 00 00 00 00	IE 24 MP MAX 26.00 73.00 77.00 37.00	<u>HR</u> ↑



INSULATOR BLOCK ASSEMBLY

Progressive's Insulator Block protects the CounterView and CVe Monitor to enable molders to view cycle counts and additional information on higher temperature tools.

• Maximum temperature: 180°C/360°F





CATALOG NUMBER	DESCRIPTION	ні	WI	ті	SI	S 2	Н2	w2	т2	S 3	S 4
CV-BLK	Inch version with screws: (2) 1/4-20 x 1-1/8 (Actuator) (2) 1/4-20 x 1-1/2 (Block)	2.37	3.00	1.37	2.250	.500	.75	2.00	1.00	1.000	.375
CVMM-BLK	Metric version with screws: (2) M6-1.0 x 30 (Actuator) (2) M6-1.0 x 40 (Block)	58.5	78	35	58	13	20	47	25	23	10

Application Guidelines:

- Installation can be on the cavity or core half of the tool. For use with CVe Live, mount to the stationary half for optimum cable routing.
- Position the Insulator Blocks at parting line and install screws as shown above.
- The Inch or Metric Insulator Block assembly accepts the screws from the square CounterView sold on page F-6 or the CVe Monitor sold on page F-1.



