

# ASXPRESS<sup>®</sup> PLUS Impact

## “Before and After”



The Teledyne CETAC ASXPRESS<sup>®</sup> PLUS saves laboratories valuable time and money. Here are notable examples across a range of markets...

**RUN MORE  
SAMPLES  
-OR-  
SHUT DOWN  
EARLY!**

### Environmental Market:

Location	Method	Before (Seconds)	After (Seconds)	Savings (Seconds)	Savings %	Time Savings per 100 Samples
US Laboratory (OH)*	ICP-OES 6010	345	146	199	<b>58%</b>	<b>5.5 hours</b>
US Laboratory (OH)	ICP-OES 200.7	320	144	176	<b>55%</b>	<b>4.9 hours</b>
US Laboratory (PA) *	ICP-OES 200.7	183	90	93	<b>51%</b>	<b>2.6 hours</b>
US Laboratory (NE)	ICP-MS 6020	186	85	101	<b>54%</b>	<b>2.8 hours</b>
US Laboratory (CA)	ICP-MS 200.8	300	110	190	<b>63%</b>	<b>5.2 hours</b>
US Laboratory (MI)	ICP-MS 200.8	180	90	90	<b>50%</b>	<b>2.5 hours</b>
US Laboratory (IL) **	ICP-MS 6020	275	145	130	<b>47%</b>	<b>3.6 hours</b>

\* Reported rinse solution volume cut in half with a dramatic reduction in Argon use.

\*\* Sample data reporting was late 95% of the time. ASXPRESS<sup>®</sup> PLUS resolved the issue.

### Soil Market:

Location	Method	Before (Seconds)	After (Seconds)	Savings (Seconds)	Savings %	Time Savings per 1000 Samples
US Laboratory (NE)	Soil Method	46	26	20	<b>43%</b>	<b>5.5 hours</b>
US Laboratory (IA)	Soil Method	36	18	18	<b>50%</b>	<b>5 hours</b>

## Mining Market:

Location	Method	Before (Seconds)	After (Seconds)	Savings (Seconds)	Savings %	Time Savings per 1000 Samples
US Laboratory (NV)	ICP-OES - Method	70	24	46	<b>66%</b>	<b>12.8 hours</b>
Australian Laboratory	ICP-OES - Method	86	29	57	<b>66%</b>	<b>15.8 hours</b>
Canadian Laboratory	ICP-MS Method	270	90	180	<b>67%</b>	<b>50 hours</b>

## Food Market:

Location	Method	Before (Seconds)	After (Seconds)	Savings (Seconds)	Savings %	Time Savings per 1000 Samples
US Laboratory (CA)	Agriculture	640	145	495	<b>77%</b>	<b>137 hours</b>

## Oil Market (Wear Metals):

Location	Method	Before (Seconds)	After (Seconds)	Savings (Seconds)	Savings %	Time Savings per 100 Samples
Canadian Laboratory	ASTM D5185	87	27	60	<b>69%</b>	<b>16.6 hours</b>
US Laboratory (IN)	ASTM D6130	81	31	50	<b>62%</b>	<b>13.8 hours</b>
US Laboratory (KS)	ASTM D5185	52	25	27	<b>52%</b>	<b>7.5 hours</b>
US Laboratory (IL)	ASTM D5185	67	23	44	<b>66%</b>	<b>12.2 hours</b>

