





# **CLEAREST IMAGE. EASIEST INSPECTIONS.**

# How The Modular Pipeline Inspection Works



# **CLEAREST IMAGE. EASIEST INSPECTIONS.**

## What's Launching?

## 200' Pipeline Inspection Camera

**M18** 



#### **2974-22 System Contents:**

Milwaukee

- (1) 200' Pipeline Inspection Reel (2974-20)
- (1) M18<sup>™</sup> 500GB Control Hub (2970-20)
- (1) Tablet Mount (48-53-2970)
- (2) M18<sup>™</sup> REDLITHIUM 5.0 Battery packs (48-11-1850)
- (1) M18<sup>™</sup> & M12<sup>™</sup> Rapid Charger (48-59-1808)
- (1) Set of 34mm camera Skids
- (1) Grounding Stake and lead clamps



## 2974-20 Contents:

- (1) 200' Pipeline Inspection Reel
- (1) Set of 34mm camera Skids

## 120' Pipeline Inspection Camera



## 2973-22 System Contents:

- (1) 120' Pipeline Inspection Reel (2973-20)
- (1) M18™ 500GB Control Hub (2970-20)
- (1) Tablet Mount (48-53-2970)
- (2) M18™ REDLITHIUM 5.0 Battery packs (48-11-1850)
- (1) M18<sup>™</sup> & M12<sup>™</sup> Rapid Charger (48-59-1808)
  - (1) Set of 25mm camera Skids

.

• (1) Grounding Stake and lead clamps



#### 2973-20 Contents:

- (1) 120' Pipeline Inspection Reel
- (1) Set of 25mm camera Skids

## M18™ Wireless Monitor



## 2971-20 Contents:

- (1) M18<sup>™</sup> Wireless Monitor
- (1) USB-C to USB-C Cable

## M18™ 500GB Control Hub



## 2970-20 Contents

(1) M18™ 500GB Control Hub

## What's Launching?

## Milwaukee® Pipeline Inspection App

## **Key Features:**

Tilwaukee

**M18** 

## ELIMINATES NEED FOR MONITOR

- Maximizes the cameras' image quality
- View live video, record/capture video & images, edit video length
- Save to mobile device
- Access saved jobs on control hub
- 200' of wireless range



## Pipeline Inspection Reporting Software

## **Key Features:**

- Extract jobs from control hub wirelessly or with a USB-C cord
- Build and save PDF reports on computer
- Seamlessly upload videos to YouTube
- Cannot be used to view, record, or edit videos and pictures





# Overview/Target Users & Applications

- Modular Pipeline System User Needs
- Reel & Viewing Systems Walkarounds
- Set-Up Info



Fit To Milwaukee®

## **ROUGH IN**

INSTALL



# MAINTENANCE

DEMOLITION

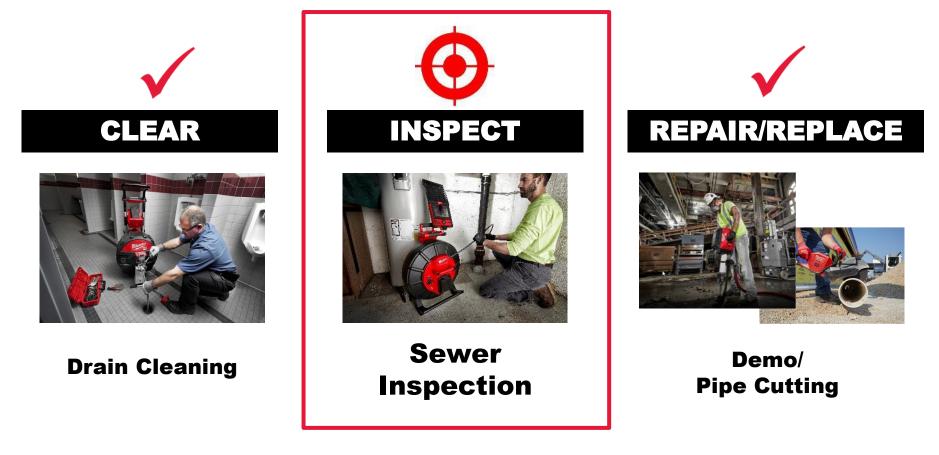


When Are They Used?

# **SEWER MAINTENANCE PROCESS**

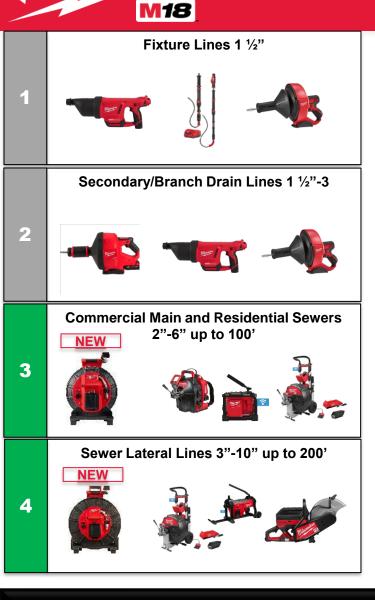
Milwaukee

**M18** 

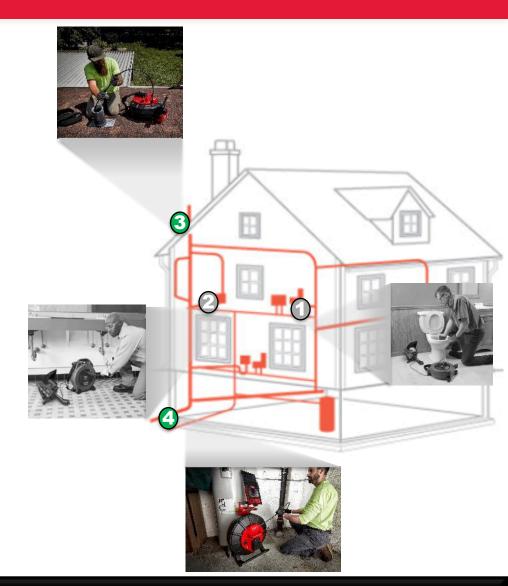


## **Start to Finish Milwaukee Opportunity**

## **Types Of Applications**



Milwaukee



## **Core Product for Plumbing, Drain and Maintenance Pros**



# Overview/Target Users & Applications

Modular Pipeline System User Needs

- Reel & Viewing Systems Walkarounds
- Set-Up Info



## The Sewer Camera Market Problem

Capabilities that are specific to a reel or monitor limit flexibility across a fleet of inspection equipment



**Small Enhancements Frequently Require New Reel, Monitor or Both** 



**Why Modular Control Hub** 

## Milwaukee® M18™ 500GB Control Hub Core Feature Set

Milwaukee® Wireless Control Hub is the industry's first core, interchangeable electronic control unit that is independent of the reels and monitors



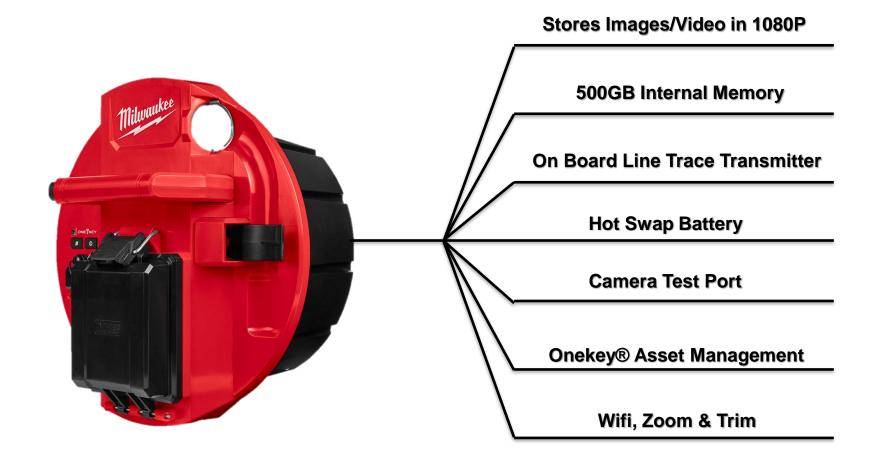
## **Key Benefits**

- Consistent Experience Across All Reels and Monitors
- ✓ Increased Flexibility to Add on
- ✓ Simplifies Purchasing Process

## **One Control Hub Delivers Performance Across Multiple Reels and Monitors**

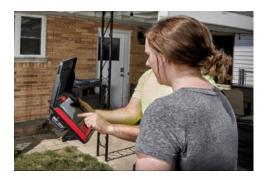


Milwaukee® M18™ 500GB Control Hub Core Feature Set



**Delivers Core Benefits to All Milwaukee® Reels and Viewing Options** 



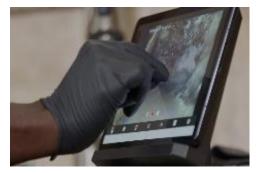


Milwaukee





# **System Versatility**



# Information Collection and Sharing

## Why Milwaukee®?

**IMAGE QUALITY** 

**M18** 

Milwaukee

SYSTEM VERSATILITY

**INFO COLLECTION & SHARING** 

## USERS NEED A CLEAR, SHARP, IMAGE TO UNCOVER POINTS OF INTEREST

## PROBLEM

- Users need a clear image to confirm potential issues found inside pipes
- Users want the ability to adjust light output depending on the pipe size and material during an inspection
- Users want to provide their customers with a clear image when reviewing their work

## PROBLEM



## SOLUTION

- 1080P HD CAMERAS UNLOCKS 4X DIGITAL ZOOM without degrading image quality
- IMAGE ENHANCE: Adjustable contrast and saturation optimizes visibility up close and further down the pipe
- PIPELINE INSPECTION APP: Maximize image quality and clarity when reviewing with customers



## INDUSTRY'S CLEAREST IMAGE

**IMAGE QUALITY** 

**M18** 

Milwaukee

SYSTEM VERSATILITY

**INFO COLLECTION & SHARING** 

Why Milwaukee®?

## USERS NEED A SYSTEM THAT IS FLEXIBLE TO THE UNIQUE NEEDS OF EACH JOB

## PROBLEM

- Users want a system free of cords that can get tangled and break
- Users need a secure way to carry reels up and down stairs and ladders when faced with inspecting vent stacks on roofs
- Users want the ability to wirelessly connect to multiple devices at the same time

## PROBLEM





## SOLUTION

- M18<sup>™</sup> 500GB Control Hub: Easily swaps between reel sizes, centralizes all image/video and eliminates cords
- Transit Design Specific to applications:
  - Milwaukee® 120' Pipeline Inspection reel provides removable backpack straps for hands free carrying when accessing roofs
  - Milwaukee® 200' pipeline inspection system provides A wide wheelbase and telescoping handle for better stability when on uneven surfaces
- Viewing flexibility: Up to 200' of Wireless connectivity to the M18 Wireless Monitor & the Milwaukee® Pipeline Inspection App at the same time





Milwaukee Pipeline Inspection App



Unmatched Versatility, Control Hub Swaps Between Reels

**IMAGE QUALITY** 

**M18** 

Hilwaukee

SYSTEM VERSATILITY

**INFO COLLECTION & SHARING** 

Why Milwaukee®?

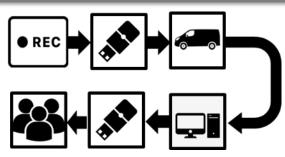
## USERS NEED THE ABILITY TO BUILD, ORGANIZE, AND SHARE REPORTS QUICKLY AND EASILY

## PROBLEM

#### CAPTURE:

- Users want to stay productive regardless of state of battery charge in the monitor or reel
- When taking video and picture recordings, users want a centralized location for storage and access
- CREATE: Users want the ability to build and organize reports while on the job, eliminating any time lost by gong back to the office
- SHARE:
  - Users want to be able to show customers what's going on in the drain in real time
  - Users want flexibility on where they can save recordings to speed up the approval process

## PROBLEM



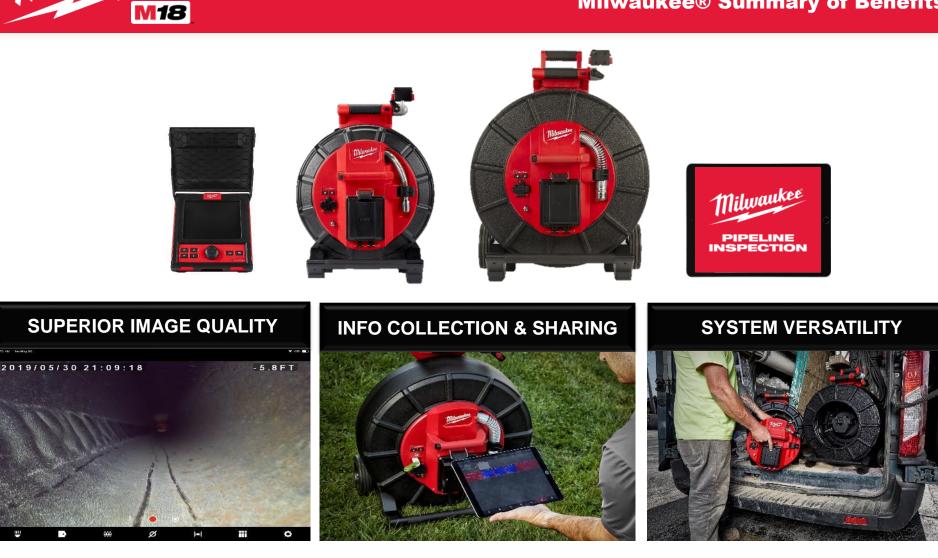
## SOLUTION

- CAPTURE:
  - HOT SWAP: Internal lithium battery allows the swapping out of batteries during active recordings
  - M18<sup>™</sup> 500GB CONTROL HUB: Stores up to 500GB of HD video and images in one organized location.
- **CREATE:** Build and edit reports directly from M18<sup>™</sup> Wireless Monitor or Milwaukee® Pipeline Inspection App on a mobile device
- SHARE:
  - Connect to M18 Wireless monitor or mobile device up to 200'
  - Milwaukee® Pipeline Inspection App enables saving directly to mobile device for faster sharing



Capture, Create, and Share Directly from Mobile Devices

## **Milwaukee® Summary of Benefits**



Milwaukee

SUPERIOR IMAGE. WIRELESS CONNECTIVITY. UNMATCHED VERSATILITY



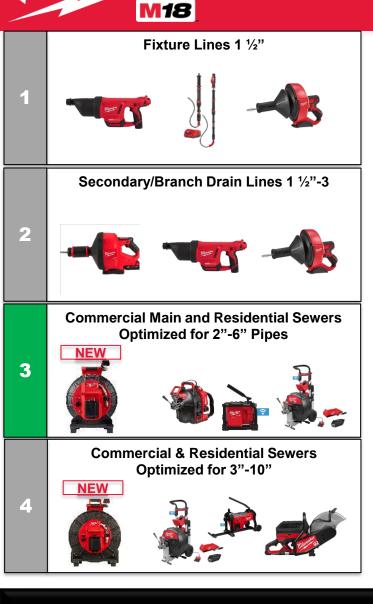
- Overview/Target Users & Applications
- Modular Pipeline System User Needs
- Reel & Viewing Systems Walkarounds
- Launch Collateral
- Set-Up Info

# Milwaukee MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM

**M18** 

# M18<sup>™</sup> 120' PIPELINE M18<sup>™</sup> 120' PIPELINE INSPECTION SYSTEM INSPECTION SYSTEM

## **Types Of Applications**



Milwaukee



## **COMMERCIAL MAINS & RESIDENTIAL SEWERS**

## What's Launching?

## Milwaukee® 120' Pipeline Inspection Reel 2973-20 (Reel Only)



## 2973-20 Contents:

Milwaukee

**M18** 

- (1) 120' Pipeline Inspection Reel
- (1) Set of 25mm Camera Skids

## M18<sup>™</sup> 120' Pipeline Inspection System 2973-22



## 2973-22 System Contents:

- (1) 120' Pipeline Inspection Reel w/ 25mm camera (2973-20)
- (1) M18 500GB Control Hub (2970-20)
- (1) Tablet Mount (48-53-2970)
- (2) M18<sup>™</sup> REDLITHIUM 5.0 Battery pack (48-11-1850)
- (1) M18<sup>™</sup> & M12<sup>™</sup> Rapid Charger (48-59-1808)
- (1) Set of 25mm camera Skids
- (1) Grounding Stake and lead clamps

Milwaukee MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM

## **120' Pipeline Inspection Reel**



**M18** 

MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM M18™ 120' Pipeline Inspection System







## 25mm HD Camera Delivers 4X Digital Zoom

- Industry's Clearest Image, HD Video Capture
- Unmatched Diagnostic Capability Zoom Up To 4X
- Self-leveling Camera Head Orients Image Upright

## Capture, Create, & Share To Mobile Devices

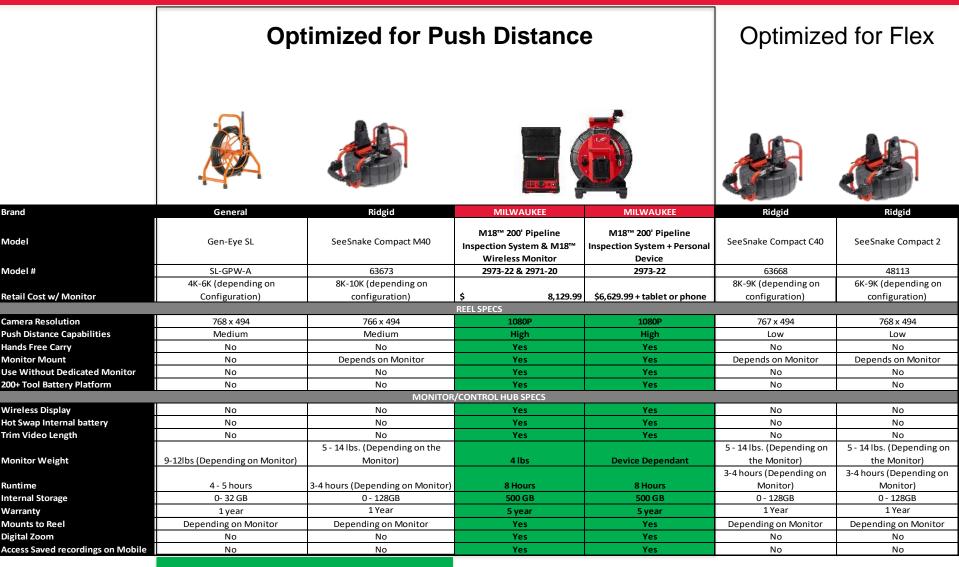
- Wireless Range Up To 200'
- M18<sup>™</sup> 500GB Control Hub Provides Centralized Storage Of Files
- Trim Videos to Shareable Sizes from Monitor/App
- Automatically Generates Highlight Reel For Easy Wireless Sharing

## Hands-Free Carrying

- Removable Backpack Straps For Accessing Roofs
- Monitor Mount Consolidates Transportation & Optimizes Viewing
- Multiple Handles Secure Loading & Unloading from Van



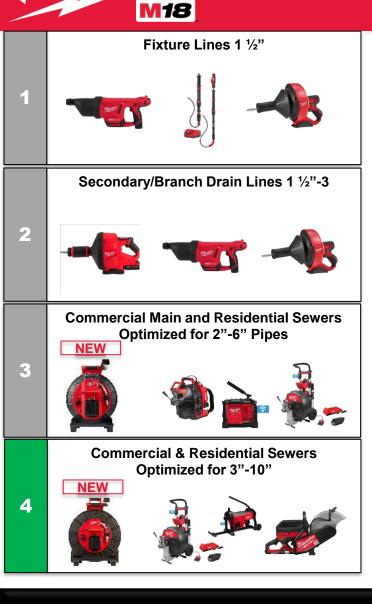
## **120' Competitive Landscape**



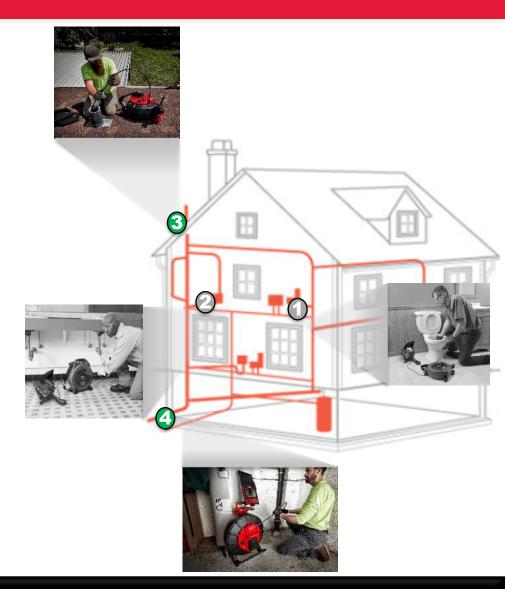
## **Primary Target**

**M18** 

## **Types Of Applications**



Milwaukee



## **COMMERCIAL AND RESIDENTIAL SEWERS UP TO 200'**

## What's Launching?

## Milwaukee® 200' Pipeline Inspection Reel 2974-20 (Reel Only)



## **Kit Contents:**

Hilwaukee

**M18** 

- (1) 200' Pipeline Inspection Reel
- (1) Set of 34mm Camera Skids

## M18<sup>™</sup> 200' Pipeline Inspection System 2974-22

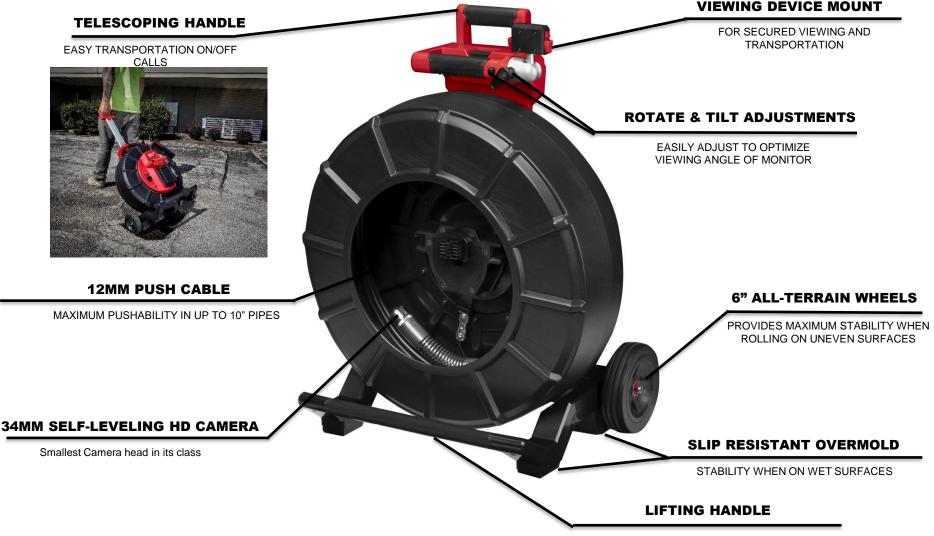


## **Kit Contents:**

- (1) 200' Pipeline Inspection Reel (2974-20)
- (1) M18 500GB Control Hub (2970-20)
- (1) Tablet Mount (48-53-2970)
- (2) M18<sup>™</sup> REDLITHIUM 5.0 Battery packs (48-11-1850)
- (1) M18<sup>™</sup> & M12<sup>™</sup> Rapid Charger (48-59-1808)
- (1) Set of 34mm camera Skids
- (1) Grounding Stake and lead clamps

Milwaukee MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM

## **200' PIPELINE INSPECTION Reel**



**M18** 

FOR EASY LOADING/UNLOADING FROM TRUCK

## **200' Competitive Landscape**

BrandGeneralRidpidMILWAUKEMILWAUKERightRightRidgidModelGen-tye SLSeeSnake Standard 200'MIS*200' Pipeline Inspection System P Personal DeviceSeeSnake Standard 200'MIS*200' Pipeline Inspection System P Personal DeviceSeeSnake Standard 200'Model #Si-SDP-ASeeSnake Standard 200'MIS*200' Pipeline Inspection System P Personal DeviceSeeSnake Standard 200'Model #Si-SDP-ASeeSnake Standard 200'System P Personal DeviceSeeSnake Standard 200'Model #SimmSimmSimmSimmSimmModel #SimmSimmSimmSimmSimmMontor MountorNoNoNessYesNoMontor MountorNoNoYesYesNoMontor MountorNoNoYesYesNoMontor MountorNoNoYesYesNoMontor MountorNoNoYesYesNoMontor MountorNoNoYesYesNoMontor MountorNoNoYesNo <th></th> <th>C</th> <th colspan="6">Optimized for Flex</th>		C	Optimized for Flex					
ModelGen-Eye SLSeeSnake Standard 200'M18" 200' Pipeline Inspection System + Personal Device MonitorSeeSnake Standard mini 200'SeeSnake RM200Model #SL-SDP-A636032974-22 & 2971-202974-22 & 2971-206362842348Retail Cost w/ MonitorGen-Eye SL10K-12K (depending on Configuration)10K-12K (depending on configuration)10K-12K (depending on configuration)9K-11K (depending on configuration)9K-11K (depending on configuration)9K-11K (depending on configuration)9K-11K (depending on configuration)9K-11K (depending on configuration)Camera Resolution768 x.494768 x.4941000P1000P766 x.494767 x.494Camera Head Size35mm35mm34mm34mm30mm20mm20mmPush Distance CapabilitiesMediumMedium-HighHighHighHighMediumMediumNonitor MountNoNoYesYesNoNoYesUse Without Dedicated Monitor 200-Tool Battery PlatformNoNoYesYesNoNoWireless DiplayNoNoYesYesNONoNoNoHot Swap Internal battery No notor WeightNoNoYesYesNONoNoMonitor/ Weight0.32 cB0-128GB500GB500GB500GB0-128GB0-128GBMonitor Weight0.32 cB0-128GB500GB500GB500GB0-128GB0-128GBMonitor Weight0.92				<b>(</b>				
Model Gen-Eye SL SeeSnake Standard 200' System & M18" 200' Pipeline Inspection Monitor SeeSnake Standard 700' 200' SeeSnake RM200   Model # SL-SDP-A 66:03 2974-22 & 2971-20 66:3623 42348   Retal Cost W/ Monitor SK-10K (depending on Configuration) 10K-12K (depending on configuration) 5 974-22 & 2971-20 98:11K (depending on configuration) 0x-11K (depending on configuration) 0x-14K (depending o	Brand	General	Ridgid	MILWAUKEE	MILWAUKEE	Ridgid	Ridgid	
6K-10K (depending on Configuration)10K-12K (depending on configuration)9K-11K (depending on configuration)9K-11K (depending on configuration)Retail Cost w/ MonitorRetail Cost w/ MonitorPush Distance CapabilitiesMediumMonitor MountNoNoNoYesNoNoYesVise Without Dedicated MonitorNoNoNoNoYesYesNoNoNoNoNoNoNoYesYesYesNoNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYes	Model	Gen-Eye SL		System & M18™ Wireless			SeeSnake RM200	
Retail Cost w/ MonitorConfiguration)Configuration)\$ 10,799.99\$9,379.99 + tablet or phoneconfiguration)configuration)RetEI SPECSCamera Resolution768 x 494768 x 4941080P1080P766 x 494767 x 494Camera Resolution35mm35mm34mm34mm30mm20mmOptimized CapabilitiesMediumMedium-HighHighHighMediumMediumPush Distance CapabilitiesMediumMedium-HighHighHighMediumMediumNonitor MountNoNoYesYesNoYesUse Without Dedicated MonitorNoNoYesYesNoNo200+ Tool Battery PlatformNoNoYesYesNoNoMonitor/MountNoNoYesYesNoNoMore MoliconNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNoYesYesNoNoMonitor NoNo </th <th>Model #</th> <th>SL-SDP-A</th> <th>63603</th> <th>2974-22 &amp; 2971-20</th> <th>2974-22 &amp; 2971-20</th> <th>63628</th> <th>42348</th>	Model #	SL-SDP-A	63603	2974-22 & 2971-20	2974-22 & 2971-20	63628	42348	
REEL SPECSCamera Resolution768 x 494768 x 4941080P1080P766 x 494767 x 494Camera Read Size35mm35mm35mm34mm34mm30mm25mmUsh Distance CapabilitiesMediumMedium-HighHighHighMediumMediumExtended HandleNoNoYesYesNoYesMonitor MountNoNoYesYesNoYesUse Without Dedicated MonitorNoNoYesYesNoNo200+ Tool Battery PlatformNoNoYesYesNoNoWireless DisplayNoNoYesYesNoNoHot Swap Internal batteryNoNoYesYesNoNoMonitor/ WeightMonitor)Monitor)4 lbsDevice Dependantthe Monitor)the Monitor)Monitor Weight0-32 GB0-128 GB500 GB50 GB0-128 GB0-128 GBMurine4 - 5 hoursMonitor)8 Hours8 HoursMonitor)Monitor)Internal Storage0-32 GB0-128 GB500 GB500 GB0-128 GB0-128 GBWarnty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoNoMounts to ReelDepending on MonitorNoYesYesNoNoMonitorNoNoYesYesNo<	Retail Cost w/ Monitor			\$ 10.799.99	\$9.379.99 + tablet or phone			
Camera Resolution768 x 494768 x 4941080P1080P766 x 494767 x 494Camera Head Size35mm35mm35mm34mm34mm30mm25mmPush Distance CapabilitiesMediumMedium-HighHighHighMediumMediumPush Distance CapabilitiesMediumMedium-HighHighHighMediumMediumPush Distance CapabilitiesNoNoYesYesNoYesMonitor MountNoNoYesYesNoYesMonitor MountNoNoYesYesNoYesUse Without Dedicated MonitorNoNoYesYesNoNo200+ Tool Battery PlatformNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYesNoNo200+ Tool BatteryNoNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYesNoNoWork StapesNoNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYesNoNoWithout Dedicated MonitorNoNoYesYes<					+-,			
Camera Head Size35mm35mm34mm34mm30mm25mmPush Distance CapabilitiesMediumMedium-HighHighHighHighMediumMediumExtended HandleNoNoYesYesNoYesMonitor MountNoNoYesYesNoYesUse Without Dedicated MonitorNoNoYesYesNoNo200+ Tool Battery PlatformNoNoYesYesNoNoWireless DisplayNoNoYesYesNoNoHot Swap Internal batteryNoNoYesYesNoNoMonitor WeightNoNoYesYesNoNoMonitor Weight4-5 hoursMonitor)8 Hours8 Hours8 Hours8 Hours3-14 lbs. (Depending on the Monitor)Runtime4-5 hoursMonitor)NoYesYesNoNoYesWarrarty1 year1 Year1 Year1 Year1 Year1 YearDigital ZoomNoNoYesYesNoYesNoNoYesYesNoYesYesNo	Camera Resolution	768 x 494	768 x 494		1080P	766 x 494	767 x 494	
Push Distance CapabilitiesMediumMedium-HighHighHighMediumMediumMediumExtended HandleNoNoNoYesYesNoYesMonitor MountNoNoNoYesYesNoYesUse Without Dedicated MonitorNoNoYesYesNoNoDot Tor DI Battery PlatformNoNoYesYesNoNoWireless DisplayNoNoYesYesNoNoHot Swap Internal batteryNoNoYesYesNoNoMonitor WeightNoNoYesYesNoNoMonitor WeightMonitor)S - 14lbs. (Depending on the Monitor)S - 14lbs. (Depending on the Monitor)S - 14lbs. (Depending on the Monitor)S - 14lbs. (Depending on the Monitor)Runtime4 - 5 hoursMonitor)BHoursBHoursB Hours8 HoursMonitor)Mounts to Reel0 - 32 GB0 - 128 GB500 GB0 - 128 GB0 - 128 GB0 - 128 GBWarranty1 year1 Year5 year5 year1 Year1 YearDigital ZoomNoNoYesYesNoYesNoNoYesYesNoYesNoYes							25mm	
Monitor MountNoNoYesYesNoYesUse Without Dedicated Monitor 200+ Tool Battery PlatformNoNoYesYesNoNoNo200+ Tool Battery PlatformNoNoNoYesYesNoNoNoWorld SplayMooNoNoYesYesNoNoNoHot Swap Internal batteryNoNoNoYesYesNONoHot Swap Internal batteryNoNoYesYesNONo9-12lbs (Depending on Monitor)5-14 lbs. (Depending on the Monitor)S-14 lbs. (Depending on Monitor)5-14 lbs. (Depending on the Monitor)5-14 lbs. (Depending on the Monitor)5-14 lbs. (Depending on the Monitor)Runtime4-5 hoursMonitor)8 Hours8 HoursMonitor)Monitor)Internal Storage0-32 GB0-128 GB500 GB500 GB0-128 GB0-128 GBWarranty1year1year1Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoNoNoNoNoYesYesNoNoNoNoYesYesNoYear1 YearDigital ZoomNoNoYesYesNoNo								
Use Without Dedicated MonitorNoNoNoYesYesNoNo200+ Tool Battery PlatformNoNoNoYesYesNoNoMONITOR/CONTROL HUB SPECSWireless DisplayNoNoYesYesNONoHot Swap Internal batteryNoNoYesYesNONoTrim Video LengthNoNoYesYesNONoMonitor WeightMonitor)5 - 14 lbs. (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)3 - 4 hours (Depending on the Monitor)<	Extended Handle	No	No	Yes	Yes	No	Yes	
200+ Tool Battery PlatformNoNoNoYesNoNoMONITOR/CONTROL HUB SPECSWireless DisplayNoNoYesYesNONoHot Swap Internal batteryNoNoNoYesYesNONoTrim Video LengthNoNoYesYesNONo9-12lbs (Depending on Monitor)5-14 lbs. (Depending on the Monitor)YesYesS-14 lbs. (Depending on the Monitor)5-14 lbs. (Depending on the Monitor)Runtime Internal Storage4-5 hoursMonitor)8 Hours8 Hours8 Hours3-4 hours (Depending on Monitor)Warranty1 year1 Year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoYearDigital ZoomNoNoYesYesNoNo	Monitor Mount	No	No	Yes	Yes	No	Yes	
MONITOR/CONTROL HUB SPECSWireless DisplayNoNoNoYesYesNONoHot Swap Internal batteryNoNoNoYesYesNONoTrim Video LengthNoNoNoYesYesNONo9-12lbs (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)Runtime4 - 5 hoursMonitor)4 lbsDevice Dependantthe Monitor)3 - 4 hours (Depending on the Monitor)Internal Storage0 - 32 GB0 - 128GB500 GB500 GB0 - 128GB0 - 128GBWarranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoNoDigital ZoomNoNoYesYesNoNo	Use Without Dedicated Monitor	No	No	Yes	Yes	No	No	
Wireless DisplayNoNoYesYesNONoHot Swap Internal batteryNoNoNoYesYesNONoTrim Video LengthNoNoNoYesYesNONo9-12lbs (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on Monitor)5 - 14 lbs. (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on	200+ Tool Battery Platform	No	No	Yes	Yes	No	No	
Hot Swap Internal batteryNoNoNoYesYesNONoTrim Video LengthNoNoNoYesYesNONo9-12lbs (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)3 - 4 hours (Depending on Monitor)3 - 4 hours (Depending on Monitor)Internal Storage0 - 32 GB0 - 128GB500 GB500 GB0 - 128GB0 - 128GBWarranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoNoDigital ZoomNoNoYesYesNoNo			MONI	TOR/CONTROL HUB SPECS				
Trim Video LengthNoNoYesYesNONo9-12lbs (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)Runtime4 - 5 hoursMonitor)8 Hours8 Hours3 - 4 hours (Depending on Monitor)Internal Storage0 - 32 GB0 - 128 GB500 GB500 GB0 - 128 GBWarranty1 year1 Year5 year5 year1 YearMounts to ReelDepending on MonitorNoYesYesNoDigital ZoomNoNoYesYesNoNo	Wireless Display	No	No	Yes	Yes	NO	No	
9-12lbs (Depending on Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)5 - 14 lbs. (Depending on the Monitor)Monitor WeightMonitor)3-4 hours (Depending on Monitor)3-4 hours (Depending on 8 Hours3-4 hours (Depending on 8 Hours3-4 hours (Depending on Monitor)Runtime4 - 5 hoursMonitor)8 Hours8 Hours8 Hours3-4 hours (Depending on Monitor)Internal Storage0 - 32 GB0 - 128 GB500 GB500 GB0 - 128 GB0 - 128 GBWarranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoYesDigital ZoomNoNoYesNoNoNo	Hot Swap Internal battery	No	No	Yes	Yes	NO	No	
Monitor WeightMonitor)Monitor)4 lbsDevice Dependantthe Monitor)the Monitor)Runtime4 - 5 hours3-4 hours (Depending on Monitor)3-4 hours (Depending on Monitor)3-4 hours (Depending on Monitor)3-4 hours (Depending on Monitor)Internal Storage0 - 32 GB0 - 128 GB500 GB60 - 128 GB0 - 128 GBWarranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesNoYesDigital ZoomNoNoYesNoNo	Trim Video Length	No	No	Yes	Yes	-		
Runtime3-4 hours (Depending on Monitor)3-4 hours (Depending on Monitor)Runtime4 - 5 hoursMonitor)8 Hours8 HoursMonitor)3-4 hours (Depending on Monitor)Internal Storage0 - 32 GB0 - 128GB500 GB500 GB0 - 128GB0 - 128GBWarranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoYesDigital ZoomNoNoYesNoNoNo		9-12lbs (Depending on	5 - 14 lbs. (Depending on the			5 - 14 lbs. (Depending on	5 - 14 lbs. (Depending on	
Runtime4 - 5 hoursMonitor)8 Hours8 HoursMonitor)Monitor)Internal Storage0 - 32 GB0 - 128 GB500 GB500 GB0 - 128 GB0 - 128 GBWarranty1 year1 Year1 Year5 year1 Year1 Year1 YearMounts to ReelDepending on MonitorNoYesNoYesDigital ZoomNoYesNoNoNo	Monitor Weight	Monitor)		4 lbs	Device Dependant		the Monitor)	
Internal Storage0-32 GB0-128 GB500 GB500 GB0-128 GB0-128 GBWarranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesYesNoYesDigital ZoomNoNoYesNoNo			3-4 hours (Depending on			3-4 hours (Depending on	3-4 hours (Depending on	
Warranty1 year1 Year5 year5 year1 Year1 YearMounts to ReelDepending on MonitorNoYesNoYesDigital ZoomNoNoYesNoNo						,	/	
Mounts to Reel Depending on Monitor No Yes No Yes   Digital Zoom No No Yes Yes No No	• • • • • • • • • • • • • • • • • • •							
Digital Zoom No No Yes No No		,						
		· · · · · · · · · · · · · · · · · · ·						
Access Saved recordings on Mobile No No Yes Yes No No		-					-	
	Access Saved recordings on Mobile	No	No	Yes	Yes	No	No	

**Primary Target** 

Milwaukee

M18

MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM M18™ 200' Pipeline Inspection System







## 34mm HD Camera Delivers 4X Digital Zoom

- Industry's Clearest Image, HD Video Capture
- Unmatched Diagnostic Capability Zoom Up To 4X
- Self-leveling Camera Head Orientates Image Upright

## Capture, Create, And Share To Mobile Devices

- Wireless Range Up To 200'
- 500gb Internal Storage Provides Easy Report Management
- Trim Videos to Shareable Sizes from Monitor/App
- Automatically Generates Highlight Reel For Easy Wireless Sharing

## **Extendable Handle For Stability During Transportation**

- 6" All-terrain Wheels For Transportation On Any Surface
- On Board Monitor Mount For Secured Transportation And Viewing
- Multiple Gripping Surfaces For Taking In And Out Of Van



M18<sup>™</sup> Wireless Monitor

# M18<sup>TM</sup> WIRELESS MONITOR

Milwaukee

**M18** 

## **Viewing Device Options**

## M18 Wireless Monitor 2971-20



## 2071-20 Contents:

- (1) M18 Wireless Monitor
- (1) USB-C to USB-C Cable

## Milwaukee Pipeline Inspection App



## **Key Features:**

- ELIMINATES NEED FOR MONITOR
- PROVIDES THE USER WITH THE BEST IMAGE QUALITY
- iOS and Android
- View live video, record/capture video & images, edit video length
- Save to mobile device or USB
- Access saved jobs on control hub
- Up to 200' of wireless range

## **M18 Wireless Monitor**



Milwaukee



# **MILWAUKEE VS. RIDGID VIEWING OPTIONS**

Milwaukee

**M18** 

	Milwaukee Pipeline INSPECTION				
Brand	Milwaukee	Milwaukee	RIDGID	RIDGID	RIDGID
Model	Pipeline Inspection App	M18 Wireless Monitor	CS6x Versa	CS65x	CS12x
Model #	N/A	2971-20	64968	55978	57288
Retail Cost	FREE	\$ 1,499.99	\$ 2,731.34	\$ 4,504.32	\$ 4,504.32
Weight	N/A	4.4 Lbs	4.9 Lbs	9.3 Lbs	13.9 Lbs
Zoom	YES	YES	NO	NO	NO
Resolution	1080p	800 x 600	720 x 480	640 x 480	1024 x 768
Connection type	200' wireless	200' wireless, USBC	Corded	Corded	Corded
Mounts To Reel	YES w/ tablet mount	YES	Some	NO	NO
Run time	8 Hours	8 Hours	3 Hours	3 hours	4.5 Hours (w/ 2 packs)
Backlit Buttons	N/A	YES	NO	NO	NO
Video Storage/Transfer	500GB via control hub, USB, mobile device	500GB via control hub, USB, mobile device	USB	128 GB, USB	USB
Warranty	N/A	5 Year	1 Year	1 Year	1 Year

## **On-Board Editing and Wireless Viewing**

MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM M18™ Wireless Monitor







## 4X DIGITAL ZOOM: Focus on Point of Interest

- Image Enhance Delivers Unmatched Diagnostic Capability
- 8" LCD Screen Displays Bright, Clear Picture
- Adjustable LED Output for Optimized Visibility

## **Optimized Viewing For Any Scenario**

- Wireless Range Up To 200'
- Mounts To Reels For Stable And Secure Viewing
- Impact Rated Screen Protects against Harsh Environment

## Easily Store, Edit, And Share Recordings

- Save recordings directly to M18<sup>™</sup> 500GB Control Hub
- Trim video length for smaller video sizes
- Share previously saved jobs to USB Stick



One Key™

Track

lilwaukee

## Track Tools Anywhere

- Locate tools using embedded Bluetooth technology
- Take advantage of the industry's largest tracking network
- Receive notifications when missing tools are found



9	Investory dashbased				
* 2		Facure in sections	No. of P	Datellarities of Nonli	
	Constant 1	1 Statistics for the second			. Institut
	e moon li	Contraction of the second	1		teritory conternative
Chief Brieffern	A second	Contraction Section Reporters.	1.1		Sell, S. Arganita,
Sectors Std	A meteore I	The second second second	1		interiore & Lon-
9m 01		Based In Salastan	Cash Cardon 1		
B Dog 25 B How THOMAS THE					
	🕀 499	C Sect			
No. of the	Tinte	Set Referen		Onen Ren Per	
2610.8.4.173	D Rescring	State of the second		TI Donorgan Dormetter	100000-002
00755476			-		
273475	1		1		and party
* 02785/85					

Secure



Manage Important Tool Information

- Upload purchase information
- Store service documents
- Set recurring service reminders



## Secure Lost or Stolen Tools

- Shut down tools, preventing unwanted use
- Remotely lock out lost or stolen tools when they come in range of the One-Key network
- Receive notifications when tools become locked



Confidential Document Property of MILWAUKEE TOOL Brookfield, Wisconsin 53005



# Overview/Target Users & Applications

- Modular Pipeline System User Needs
- Reel & Viewing Systems Walkarounds

# Set-Up Info

Milwaukee MILWAUKEE® MODULAR PIPELINE INSPECTION SYSTEM

## **Pricing & Setup Info**

## **Pricing**

**M18** 

Item#	Product Name	UPC (DPL)	r	List Price (DPL)	50	0% Off Cost (DPL)	HD Cost (DPL)	Suggested Retail	iMAP
2970-20	M18™ 500gb Control Hub Bare Tool	045242540266	\$	6,225.99	\$	3,113.00	\$ 2,999.99	\$ 3,749.99	\$ 3,749.99
2971-20	M18™ Wireless Monitor Bare Tool	045242540242	\$	2,499.99	\$	1,250.00	\$ 1,199.99	\$ 1,499.99	\$ 1,499.99
2973-20	Milwaukee <sup>®</sup> 120' Pipeline Inspection Reel	045242540211	\$	7,255.99	\$	3,628.00	\$ 3,499.99	\$ 4,379.99	\$ 4,379.99
2973-22	M18™ 120' Pipeline Inspection System	045242540228	\$	10,975.99	\$	5,488.00	\$ 5,299.99	\$ 6,629.99	\$ 6,629.99
2974-20	Milwaukee <sup>®</sup> 200' Pipeline Inspection Reel	045242540181	\$	11,820.99	\$	5,910.50	\$ 5,699.99	\$ 7,129.99	\$ 7,129.99
2974-22	M18™ 200' Pipeline Inspection System	045242540198	\$	15,538.99	\$	7,769.50	\$ 7,499.99	\$ 9,379.99	\$ 9,379.99
48-53-2970	Milwaukee® Tablet Mount	045242551927	\$	76.99	\$	38.50	\$ 36.92	\$ 45.99	\$ 45.99

## Shipping

Item#	Buy PK QTY	Product Length (in)	Product Height (in)	Product Width (in.)	Product Weight (Ibs)	Package Height (in) (DPL)	Package Width (in.) (DPL)	Package Depth (in) (DPL)	Package Weight (lbs) (DPL)	Country of Origin Name	Harmonization Code
2970-20	1	12.2	13.5	13	7.8	15.25	10.75	15.75	7.36	PRC	8521900000
2971-20	1	6.1	8.8	9.4	4.4	10.875	8.75	11	4.75	PRC	8521900000
2973-20	1	13.3	22.7	17.8	25.4	18.25	22	29.5	25.62	PRC	8521900000
2973-22	1	14.3	22.7	17.8	35.6	18.25	22	29.5	40.1	PRC	8521900000
2974-20	1	19	28.5	21.9	48.4	20.5	27.75	34.25	41.85	PRC	8521900000
2974-22	1	19.6	28.5	21.9	57.6	20.5	27.75	34.25	56.26	PRC	8521900000
48-53-2970	1	3.7	6.7	9.3	1.1	8	4	9.875	1.5	PRC	8528592500