

**REMOVE**



**RECOVER**



**RENEW**

**MaxSpace**<sup>®</sup>  
CONDUIT SPACE  
RECOVERY

*Future Network Flexibility*

**MaxSpace**<sup>®</sup> will safely remove rigid innerduct from around active fiber cables.

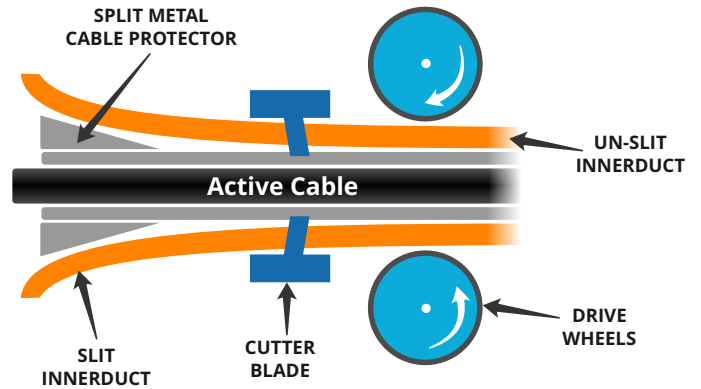
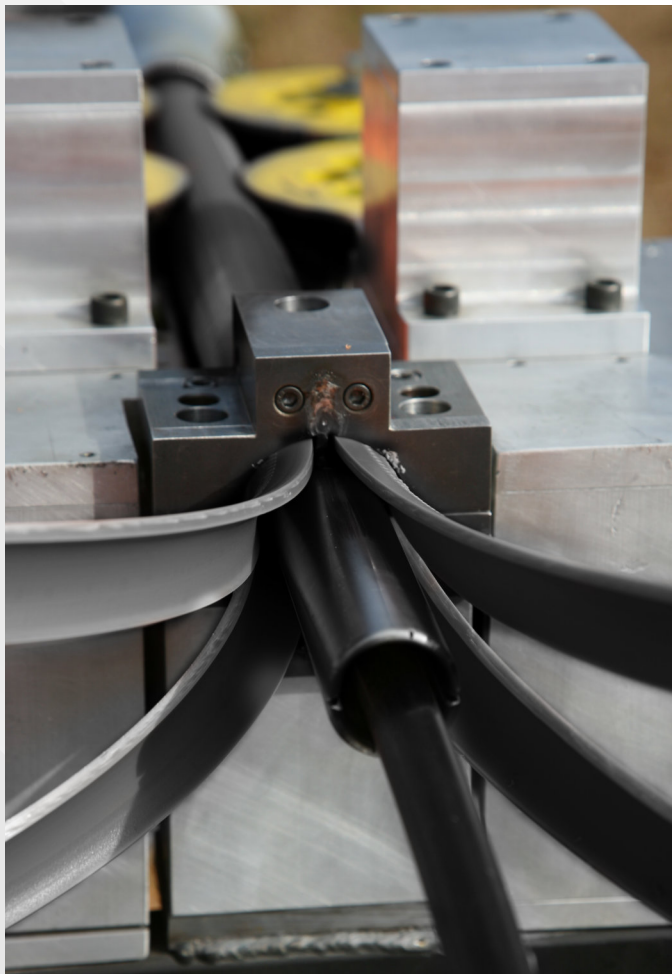


## INTRODUCING MAXSPACE®

MaxSpace is a no-dig conduit space recovery solution designed to safely remove rigid innerduct from around active fiber cables with little to no load on the cable and no interruption of service. Imagine what you can save by eliminating civil construction and reusing existing formerly congested ducts – now having space for up to 3 times more cable.

## CONDUIT SPACE MAXIMIZATION

Since the first fiber optic cables were installed in the 1980's, the only way operators could add capacity to their networks was by installing new conduit and innerduct infrastructure. This was a time consuming and expensive process, with additional engineering and permitting costs, distractions to traffic, homeowners and merchants. MaxSpace is the breakthrough conduit space maximization solution that resolves all of these issues.



## THE MAXSPACE SOLUTION

The conduit space recovery machine uses a split metal sleeve to protect the active cable while the innerduct is extracted. Rigid innerduct is then drawn into the machine using opposing drive wheels that force the innerduct through four cutting blades, slicing the innerduct into quarters. The sliced innerduct is then fed into a chipping machine and compressed into disposal bags. MaxCell or microduct bundles can be installed simultaneously.

As MaxSpace removes rigid innerduct, cables migrate to the bottom of the outer conduit. After all innerduct is removed, up to 90% conduit space is recovered allowing multiple cables to be placed in the reclaimed space of a conduit that was once considered full.

## THE MAXSPACE SERVICE

- Recover conduit space by removing rigid innerduct from an active network cable without service interruption
- Active cables are protected throughout the process by a split metal collar (minimal friction load is exerted on the cable)
- Incumbent cables settle to the bottom of the conduit as rigid innerduct is removed.
- MaxCell or microduct bundles can be installed simultaneously as the rigid innerduct is extracted
- Extracted innerduct is chipped for easy recycling and disposal
- Install new cables when needed



# MAXSPACE FEATURES & BENEFITS

## NETWORK

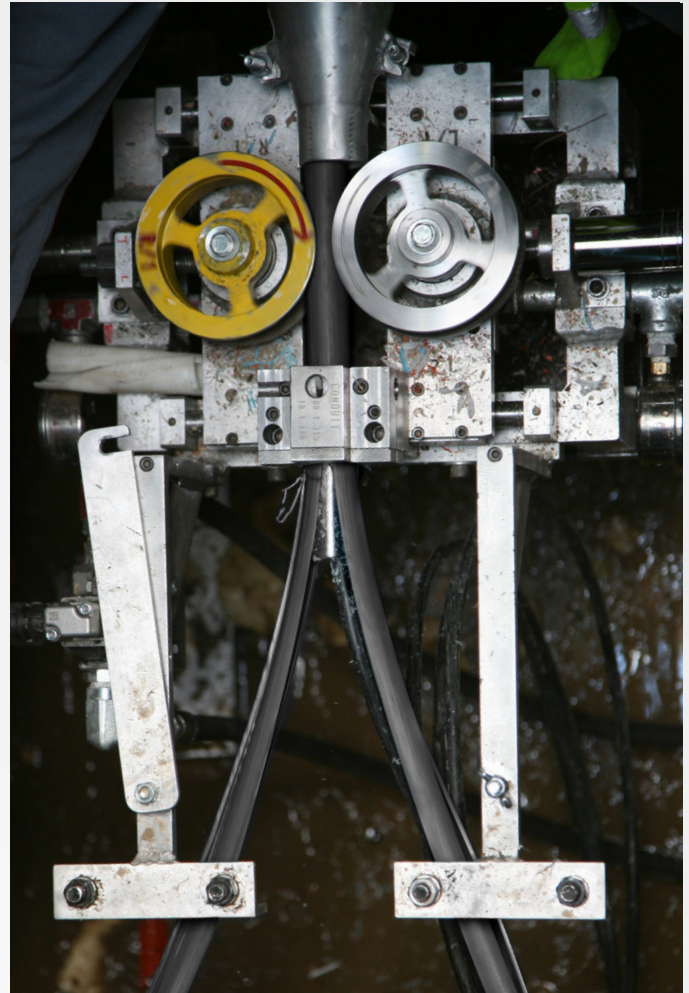
- Recover up to 90% of conduit space
- Multiple fiber density up to 300%
- Service customer needs faster
- Cables can be placed immediately
- No disruption of service
- Safer than trenching or boring around current infrastructure

## CONSTRUCTION

- Fast Process – A No-Dig Solution
- Safer for pedestrian traffic
- Compact machine for tight vault spaces
- Less than 25 Kgs of tension on cables
- Install flexible innerduct during same service
- Remove innerduct in a fraction of time of trenching or boring
- Easy disposal and recycling of rigid innerduct
- Homeowners and businesses are not inconvenienced

## BUDGET

- Save significant costs
- A No-Dig solution
- NO Right-of-Way red tape
- NO trenching permits required
- NO new trenches
- NO engineering costs
- NO new conduit
- NO property restoration costs from trenching or boring



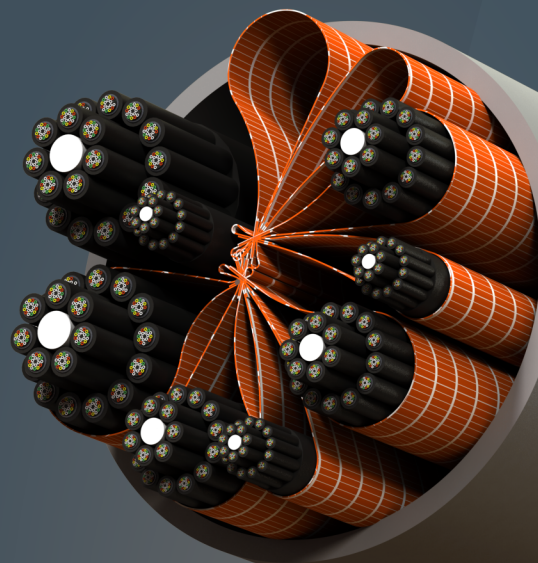
## MAXSPACE + MAXCELL®

Complete your MaxSpace project by maximizing your new available space with MaxCell! Due to MaxCell's flexible fabric construction, it conforms to the shape of the cables, allowing you to install up to 300% more pathways in your network structures. MaxCell is available in Standard, Detectable, Plenum, Riser and Self-Supporting, as well as in various sizes and cell counts. MaxCell can be used in multiple network applications. Use your newly reclaimed space to load your conduits with MaxCell and provide pathways for the network growth you need now and in the future.

## MAXSPACE + MICRO DUCT/BUNDLES

Alternatively fill up reclaimed conduit space with micro ducts or up to 2 micro duct bundles. Can be installed simultaneously as the rigid inner duct is extracted. Quantity and OD of micro duct/micro duct bundles depend on conduit ID and diameter of existing cables.

The bottom line: MaxCell helps you expand capacity today, preserve space for future bandwidth requirements and reduce total product costs.



**MORE CONDUIT SPACE**  **FOR FUTURE BANDWIDTH**

**FAST**  **& EASY**   
**INSTALLATION**

 **CUTS TOTAL PROJECT COST**

**MaxSpace®**  
CONDUIT SPACE RECOVERY

**Future Network Flexibility**

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MaxSpace Patents: 9,391,433 | 9,391,434 | 10,581,229