

# WHAT IS MICROJET TECHNOLOGY?

**MICROJET** and Microtechnology is a natural extension of the **CABLEJET** and **SUPERJET** method for installing cables in ducts. All standard components, cables, ducts, sub-ducts and installations are “downsized” to allow for more network flexibility and versatility. This concept has been successfully introduced in Europe for FTTH and FTTB in the past few years. Today, due to the extreme flexibility of the system and economics of deployment, this technology can also be used for city rings and long-haul applications as introduced in North America in 2001.



## TRADITIONAL METHOD

- Usually one cable per duct
- High fiber count cable anticipating future needs
- Second cable installations in a single duct are difficult and sometimes impossible

## MICROTECHNOLOGY

- Multiple microducts jetted in one installation
- Lower fiber count microcable installed to meet near term needs
- Additional microducts are available for future needs
- Ability to upgrade to newest fiber type on the market
- Reduces number of splices
- Midspan access possible any point

## Benefits

- **Reduced up front capital investment** due to the ability to install fiber on an “as-needed basis” removing speculation from the economic equation.
- **Flexibility to grow the network** with the subscriber growth rate.
- **Upgrade to “new” fiber technology** as it becomes available instead of investing in technology that becomes obsolete over time.
- **Override existing cables** with microducts to optimize filled duct space or simultaneously install two bundles of microducts using two Superjets.

## Conclusion

Whether your need is for Fiber-to-the-Home (FTTH), Fiber-to-the-Business (FTTB) city rings or upgradable long haul networks, **MICROJET** and Micro technology components are the low cost alternative to traditional OSP. **MICROJET** and Micro components offer increased flexibility, future fiber upgradability, and lower initial investment in the network build.

