

# COMPARISON of VB/VB.NET vs. VBA

## **Visual Basic:**

- Introduced in 1991
- Creates a true compiled application (uses the same compiler as C) – thus apps run at extremely fast speed
- Designed for building robust mission-critical applications
- Most popular software – world's about 70% Windows applications are developed with it.
- Created the basis for VBA & VBscript in 1995
- Buy from resellers openly
- Very powerful and extendible
- No run time fees owed to Microsoft for distribution.

## **VBA:**

- Introduced in 1995
- It is interpreted at runtime and thus runs very slow.
- Designed primarily for non-critical office grade environment applications.
- It is a crippled sub set of the VB
- The VBA engine runs as a separate shell and thus become a 3<sup>rd</sup> party application running within the vendor's software application.
- The 3<sup>rd</sup> party vendor pays a very high price to Microsoft to allow them to embed VBA engine into their products.
- Special functions are added to VBA engine from Microsoft by the 3<sup>rd</sup> party vendor to make it proprietary for that product.
- Several limitations, however it is a giant step ahead of the proprietary scripting languages of HMI products.