

# What are the advantages using Algo

- Deeper data base
- Wider market access
- Less error (strong views, typing errors, etc)
- Time-saving (much less keypads such as orders release/cancel, calculation etc)
- To enlarge the application of DMA



## **How Algo works -- BENCHMARK + PARAMETERS**

Benchmark – the target (sort of dealing instruction)

VWAP (over the day)

LOB

**MOC or MOO** 

High-low day or Low-high day

In line with market volumes

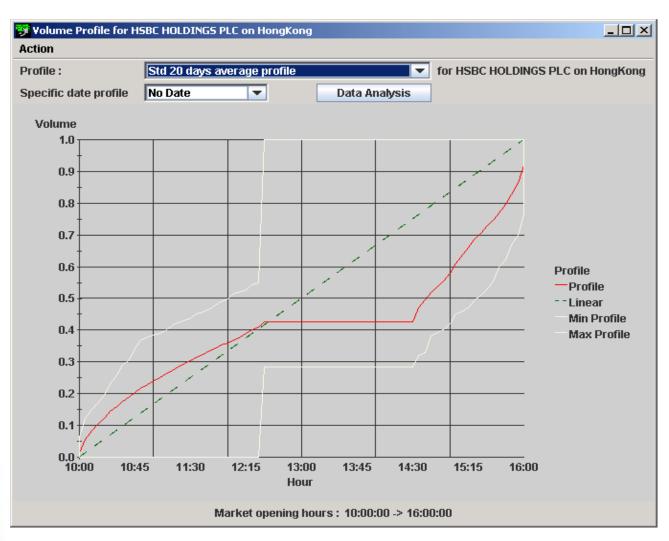
Parameter – to control the algo behaviors vs the benchmark

Sensitivities to price movements

**Deviation from the profile** 



# Example -- CD over the day more reasonable reference from 20-days average

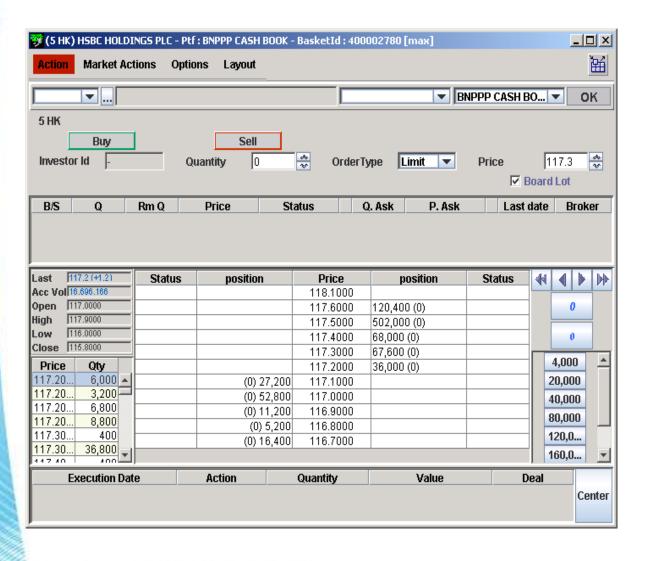




## **Example**

-- In line with market volumes

Algo may que at several price at same price with proper participation ratio





#### Conclusion

Algorithm trading will be a powerful tools but NOT a total solution

**■** Few common disadvantages --

Quantitative analysis may figure the "Fair value", but, most of time, market is trading above or below "Fair value"

Lacking of proper price-judgments or flexibilities

The pattern could be figures out (esp for illiquid names)



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