

```

//+-----+
//| BAI 11 MA13 MA50.mq5 |
//| Copyright 2020, MetaQuotes Software Corp. |
//| https://www.mql5.com |
//+-----+
#property copyright "Copyright 2020, MetaQuotes Software Corp."
#property link "https://www.mql5.com"
#property version "1.00"
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//| KHAI BAO THU VIEN
#include<Trade\Trade.mqh>
#include <Trade\SymbolInfo.mqh>
#include <Object.mqh>
CTrade trade;

//+-----+
//| Expert initialization function
//+-----+
int OnInit()
{
//---

//---
return(INIT_SUCCEEDED);
}
//+-----+
//| Expert deinitialization function
//+-----+
void OnDeinit(const int reason)
{
//---

}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
//| Expert tick function
input double TP=1000; //Take Profit(Point)
input double SL=700; //Stoploss (Point)
input double Volume=0.05; //Volume

int cmd = 0;
int Reset = 0;

double SumProfit = 0;
string Label = "Start";
string iCMD = "";

double MA13 = 0;
double MA50 = 0;

double Bid = 0;
double Ask = 0;

int Start = 0;
double TotalProfit = 0;
double BalanceOut = 0;
double BalanceIn = 0;

//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void OnTick()

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{
//---
if(Start == 0)
{
    BalanceIn=AccountInfoDouble (ACCOUNT_BALANCE);
    Start = 1;
}
CheckCMD();

if(cmd == 0 && Reset ==2)
{
    Label = "Start";
    iCMD = "";
    BalanceOut=AccountInfoDouble (ACCOUNT_BALANCE);
    TotalProfit = NormalizeDouble (BalanceOut - BalanceIn,2);
    Reset = 0;
}

Check_MA1350();
CheckBuySell();
Show();
}

//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void CheckCMD()
{
    //-----
    cmd = 0;
    SumProfit = 0;

    if (PositionSelect(_Symbol)==true)
    {
        for(int i=PositionsTotal()-1; i>=0;i--)
        {
            ulong PositionTicket=PositionGetTicket(i);
            string PositionSymbol=PositionGetString (POSITION_SYMBOL);
            double ProfitSymbol = PositionGetDouble (POSITION_PROFIT);
            ENUM_POSITION_TYPE PositionType = (ENUM_POSITION_TYPE)
            PositionGetInteger (POSITION_TYPE);

            if(PositionSymbol==_Symbol)
            {
                cmd++;
                SumProfit = SumProfit + ProfitSymbol;

                if(PositionType == 0)
                {
                    iCMD = "BUY / ";
                }
                if(PositionType == 1)
                {
                    iCMD = "SELL / ";
                }
            }
        }
    }
}
}

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//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void Check_MA1350()
{
//--- CHECK MA ---
    MA13=0;
    MA50=0;

    double myMovingAverageArray13[], myMovingAverageArray50[];

    int movingAverageDefinition13=iMA(_Symbol,_Period,13,0,MODE_SMA,
PRICE_CLOSE);
    int movingAverageDefinition50=iMA(_Symbol,_Period,50,0,MODE_SMA,
PRICE_CLOSE);

    ArraySetAsSeries(myMovingAverageArray13,true);
    ArraySetAsSeries(myMovingAverageArray50,true);

    CopyBuffer(movingAverageDefinition13,0,0,3,myMovingAverageArray13);
    CopyBuffer(movingAverageDefinition50,0,0,3,myMovingAverageArray50);

    MA13 = NormalizeDouble(myMovingAverageArray13[0],5);
    MA50 = NormalizeDouble(myMovingAverageArray50[0],5);

    if(Label != "Action" && Reset == 0 && cmd == 0)
    {
        if(MA13 > MA50)
        {Label = "Waiting Sell";}

        if(MA13 < MA50)
        {Label = "Waiting Buy";}

        Reset = 1;
    }
}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void CheckBuySell()
{
    if(MA13 < MA50 && Label == "Waiting Sell" && cmd == 0)
    {
        Bid = SymbolInfoDouble(Symbol(),SYMBOL_BID);
        double SellTP = NormalizeDouble(Bid - TP*_Point,5);
        double SellSL = NormalizeDouble(Bid + SL*_Point,5);

        trade.Sell(Volume,NULL,Bid,SellSL,SellTP,NULL);
        Label = "Action";
    }

    if(MA13 > MA50 && Label == "Waiting Buy" && cmd == 0)
    {
        Ask = SymbolInfoDouble(Symbol(),SYMBOL_ASK);
        double BuyTP = NormalizeDouble(Ask + TP*_Point,5);
        double BuySL = NormalizeDouble(Ask - SL*_Point,5);

        trade.Buy(Volume,NULL,Ask,BuySL,BuyTP,NULL);
        Label = "Action";
    }
}

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if(cmd > 0)
{
    Reset = 2;
}
}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void Show()
{
    Comment(
        "\n",
        "[TotalProfit] " , (string)TotalProfit , " ($)\n",
        "Info: " , Label , "\n",
        "MA13: " , (string)MA13 , "\n",
        "MA50: " , (string)MA50 , "\n",
        "-----\n",
        "Symbol Profit: " , (string)SumProfit , " ($)\n"
    );
    Sleep(500); // Dừng 0.5s
}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+

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MS. ROBOT

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