```
macro_command main()

// Dichiarazione e inizializzazione del buffer di uscita

char BPrint[363]
char i
bool bitStatoPr
bool bitStatoTr
bool bitStatoPo
bool bitStatoTe
short pressLavoro, tiroIdroguida, portataOlio, temperatura, trafilatura,numeroprova
short vw18, vw12, vw16, vw68, VW14,vw82
char CLIENTE
char IDROGUIDA

// Azzero il buffer

FILL(BPrint[0],0,363)

// descrizione fissa

BPrint[0] = 'T'
BPrint[1] = 'o'
BPrint[2] = 'o'
BPrint[3] = 'o'
BPrint[4] = ' '
BPrint[5] = 'P'
BPrint[6] = 'I'
BPrint[7] = 'E'
BPrint[8] = 'T'
BPrint[9] = 'R'
BPrint[10] = 'O'
BPrint[11] = ' '
BPrint[12] = 'S'
BPrint[13] = 'N'
BPrint[14] = 'C'
BPrint[15] = 0x0D // Carattere di ritorno a capo
BPrint[16] = 0x0A // Carattere di nuova riga

BPrint[17] = 'B'
BPrint[18] = 'R'
BPrint[19] = 'E'
BPrint[20] = 'S'
BPrint[21] = 'C'
BPrint[22] = 'I'
BPrint[23] = 'A'
BPrint[24] = 0x0D // Carattere di ritorno a capo
BPrint[25] = 0x0A // Carattere di nuova riga

BPrint[56] = 'C'
BPrint[57] = 'L'
BPrint[58] = 'I'
BPrint[59] = 'E'
BPrint[60] = 'N'
BPrint[61] = 'T'
BPrint[62] = 'E'
BPrint[63] = ':'
BPrint[64] = 0x0D
BPrint[65] = 0x0A

BPrint[66] = 'I'
BPrint[67] = 'D'
BPrint[68] = 'R'
BPrint[69] = 'O'
BPrint[70] = 'G'
BPrint[71] = 'U'
BPrint[72] = 'I'
BPrint[73] = 'D'
BPrint[74] = 'A'
BPrint[75] = ':'
BPrint[76] = 0x0D
BPrint[77] = 0x0A

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```
BPrint[78] = 'D'
BPrint[79] = 'E'
BPrint[80] = 'S'
BPrint[81] = 'C'
BPrint[82] = 'R'
BPrint[83] = 'I'
BPrint[84] = 'Z'
BPrint[85] = 'I'
BPrint[86] = 'O'
BPrint[87] = 'N'
BPrint[88] = 'E'
BPrint[89] = ':'
BPrint[90] = 0x0D
BPrint[91] = 0x0A

BPrint[117] = 'P'
BPrint[118] = 'R'
BPrint[119] = 'O'
BPrint[120] = 'V'
BPrint[121] = 'A'
BPrint[122] = ' '
BPrint[123] = ' '
BPrint[124] = 'A'
BPrint[125] = 'U'
BPrint[126] = 'T'
BPrint[127] = 'O'
BPrint[128] = 'M'
BPrint[129] = 'A'
BPrint[130] = 'T'
BPrint[131] = 'I'
BPrint[132] = 'C'
BPrint[133] = 'A'
BPrint[134] = ':'
BPrint[135] = 0x0D
BPrint[136] = 0x0A

// Lettura delle variabili dal PLC

GetData(bitStatoPr, "Siemens S7-200 PPI", M, 100, 1)
GetData(bitStatoTr, "Siemens S7-200 PPI", M, 101, 1)
GetData(bitStatoPo, "Siemens S7-200 PPI", M, 102, 1)
GetData(bitStatoTe, "Siemens S7-200 PPI", M, 103, 1)
GetData(CLIENTE, "Local HMI", RECIPE, "CLIENTI.NOME") // lettura cliente
GetData(IDROGUIDA, "Local HMI", RECIPE, "IDROGUIDE.marca") // lettura modello
GetData(numeroprova, "Siemens S7-200 PPI", VW, 82, 1) // numero prova
GetData(pressLavoro, "Siemens S7-200 PPI", VW, 18, 1) // Lettura vw0 per pressione lavoro
GetData(tiroIdroguida, "Siemens S7-200 PPI", VW, 12, 1) // Lettura vw12 per tiro idroguida
GetData(portataOlio, "Siemens S7-200 PPI", VW, 68, 1) // Lettura vw13 per portata olio
GetData(temperatura, "Siemens S7-200 PPI", VW, 14, 1) // Lettura vw16 per temperatura
GetData(trafilatura, "Siemens S7-200 PPI", VW, 16, 1) // Lettura vw16 PER TRAFILATURA

//Aggiunta della pressione di lavoro

BPrint[164] = 'P'
BPrint[165] = 'r'
BPrint[166] = 'e'
BPrint[167] = 's'
BPrint[168] = 's'
BPrint[169] = '.'
BPrint[170] = 'l'
BPrint[171] = 'a'
BPrint[172] = 'v'
BPrint[173] = 'o'
BPrint[174] = 'r'
BPrint[175] = 'o'
BPrint[176] = ' '
BPrint[177] = '('
BPrint[178] = 'b'
BPrint[179] = 'a'
BPrint[180] = 'r'
BPrint[181] = ')'
```

```
BPrint[182] = ':'

BPrint[183] = (pressLavoro / 100) + '0' // Centinaia
BPrint[184] = ((pressLavoro / 10) % 10) + '0' // Decine
BPrint[185] = (pressLavoro % 10) + '0' // Unità
BPrint[186] = 0x0D
BPrint[187] = 0x0A

// tiro idroguida

BPrint[192] = 'T'
BPrint[193] = 'i'
BPrint[194] = 'r'
BPrint[195] = 'o'
BPrint[196] = ' '
BPrint[197] = 'i'
BPrint[198] = 'd'
BPrint[199] = 'r'
BPrint[200] = 'o'
BPrint[201] = 'g'
BPrint[202] = 'u'
BPrint[203] = 'i'
BPrint[204] = 'd'
BPrint[205] = 'a'
BPrint[206] = ' '
BPrint[207] = '('
BPrint[208] = 'N'
BPrint[209] = 'm'
BPrint[210] = ')'
BPrint[211] = ':'
BPrint[212] = ' '

BPrint[213] = (tiroIdroguida / 100) + '0'
BPrint[214] = ((tiroIdroguida / 10) % 10) + '0'
BPrint[215] = (tiroIdroguida % 10) + '0'
BPrint[216] = 0x0D
BPrint[217] = 0x0A

// Aggiunta della portata olio

BPrint[218] = 'P'
BPrint[219] = 'o'
BPrint[220] = 'r'
BPrint[221] = 't'
BPrint[222] = 'a'
BPrint[223] = 't'
BPrint[224] = 'a'
BPrint[225] = ' '
BPrint[226] = 'o'
BPrint[227] = 'l'
BPrint[228] = 'i'
BPrint[229] = 'o'
BPrint[230] = '('
BPrint[231] = 'l'
BPrint[232] = '/'
BPrint[233] = 'm'
BPrint[234] = ')'
BPrint[235] = ':'
BPrint[236] = ' '

BPrint[237] = (portataOlio / 100) + '0'
BPrint[238] = ((portataOlio / 10) % 10) + '0'
BPrint[239] = (portataOlio % 10) + '0'
BPrint[240] = 0x0D
BPrint[241] = 0x0A

// Aggiunta della temperatura

BPrint[245] = 'T'
BPrint[246] = 'e'
BPrint[247] = 'm'
BPrint[248] = 'p'
BPrint[249] = 'e'
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```
218   BPrint[250] = 'r'
219   BPrint[251] = 'a'
220   BPrint[252] = 't'
221   BPrint[253] = 'u'
222   BPrint[254] = 'r'
223   BPrint[255] = 'a'
224   BPrint[256] = ' '
225   BPrint[257] = '('
226   BPrint[258] = 'C'
227   BPrint[259] = ')'
228   BPrint[260] = ':'
229   BPrint[261] = ' '
230
231   BPrint[262] = (temperatura / 100) + '0'
232   BPrint[263] = ((temperatura / 10) % 10) + '0'
233   BPrint[264] = (temperatura % 10) + '0'
234   BPrint[265] = 0x0D
235   BPrint[266] = 0x0A
236
237   // Aggiunta del risultato del test
238
239   BPrint[294] = 'T'
240   BPrint[295] = 'e'
241   BPrint[296] = 's'
242   BPrint[297] = 't'
243   BPrint[298] = ':'
244   BPrint[299] = ' '
245   BPrint[300] = 0x0D
246   BPrint[301] = 0x0A
247
248   // Aggiunta delle etichette per tecnico, firma e timbro
249
250   BPrint[332] = 'T'
251   BPrint[333] = 'e'
252   BPrint[334] = 'c'
253   BPrint[335] = 'n'
254   BPrint[336] = 'i'
255   BPrint[337] = 'c'
256   BPrint[338] = 'o'
257   BPrint[339] = ':'
258   BPrint[340] = 0x0D
259   BPrint[341] = 0x0D
260   BPrint[342] = 0x0A
261
262   BPrint[343] = 'F'
263   BPrint[344] = 'i'
264   BPrint[345] = 'r'
265   BPrint[346] = 'm'
266   BPrint[347] = 'a'
267   BPrint[348] = ':'
268   BPrint[349] = 0x0D
269   BPrint[350] = 0x0D
270   BPrint[351] = 0x0A
271
272   BPrint[352] = 'T'
273   BPrint[353] = 'i'
274   BPrint[354] = 'm'
275   BPrint[355] = 'b'
276   BPrint[356] = 'r'
277   BPrint[357] = 'o'
278   BPrint[358] = ':'
279   BPrint[359] = 0x0D
280   BPrint[360] = 0x0D
281   BPrint[361] = 0x0D
282   BPrint[362] = 0x0D
283
284   // Invio della stringa alla stampante tramite la porta seriale
285
286   OUTPORT(BPrint[0], "Free Protocol",363)
287   //OUTPORT(numeroprova, "Free Protocol", 50)
288   //OUTPORT(pressLavoro, "Free Protocol", 50)
289   //OUTPORT(tiroIdroguida, "Free Protocol", 50)
290   //OUTPORT(portataOlio, "Free Protocol", 50)
```

```
291   //OUTPORT(temperatura, "Free Protocol", 50)
292   //OUTPORT(IDROGUIDA, "Free Protocol", 50)
293   //OUTPORT(CLIENTE, "Free Protocol", 50)
294
295   end macro_command
296
```